



Xtreme Performance In Critical, High Technology Electronic Signal Applications

XTREME PERFORMANCE BENEFITS:

- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Fast, Easy Stripping Of Insulation And Jacket To Reduce Installation And Connectorization Time And Cost
- Light-Duty Resistance To Most Oils Per UL Class 43
- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System



XTRA-GUARD® 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation: Color-Coded Premium PVC
- Jacket: Premium PVC

SPECIFICATIONS:

- UL Type CM, AWM Style 2464 Overall
- UL AWM Style 10002 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5012C	2	0.032	0,81	0.156	3,96
5013C	3	0.032	0,81	0.163	4,14
5014C	4	0.032	0,81	0.175	4,44
5016C	6	0.032	0,81	0.201	5,11
5018C	8	0.032	0,81	0.215	5,46
5020C	10	0.032	0,81	0.244	6,20
5020/15C	15	0.032	0,81	0.271	6,88
5020/20C	20	0.032	0,81	0.300	7,62
5020/25C	25	0.032	0,81	0.332	8,43
5020/30C	30	0.032	0,81	0.350	8,89
5020/40C	40	0.032	0,81	0.390	9,91
5020/50C	50	0.032	0,81	0.429	10,90
5020/80C	80	0.032	0,81	0.526	13,36

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5002C	2	0.032	0,81	0.168	4,27
5003C	3	0.032	0,81	0.176	4,47
5004C	4	0.032	0,81	0.189	4,80
5006C	6	0.032	0,81	0.219	5,56
5008C	8	0.032	0,81	0.235	5,97
5010C	10	0.032	0,81	0.268	6,81
5010/15C	15	0.032	0,81	0.299	7,59
5010/20C	20	0.032	0,81	0.331	8,41
5010/25C	25	0.032	0,81	0.368	9,35
5010/30C	30	0.032	0,81	0.389	9,88
5010/40C	40	0.032	0,81	0.434	11,02
5010/50C	50	0.032	0,81	0.478	12,14
5010/60C	60	0.032	0,81	0.518	13,16

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5052C	2	0.032	0,81	0.208	5,28
5053C	3	0.032	0,81	0.219	5,56
5054C	4	0.032	0,81	0.238	6,05
5056C	6	0.032	0,81	0.280	7,11
5058C	8	0.032	0,81	0.302	7,67
5060C	10	0.032	0,81	0.348	8,84
5060/15C	15	0.032	0,81	0.391	9,93
5060/20C	20	0.032	0,81	0.437	11,10
5060/25C	25	0.032	0,81	0.488	12,40
5060/30C	30	0.032	0,81	0.517	13,13
5060/40C	40	0.053	1,35	0.622	15,80
5060/50C	50	0.053	1,35	0.684	17,37
5060/60C	60	0.053	1,35	0.740	18,80

AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)





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- Light-Duty Resistance To Most Oils Per UL Class 43
- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System



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XTRA-GUARD® 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- 20° C to 105° C - CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Jacket: Premium PV

SPECIFICATIONS

- UL Type CM, AWM Style 2464 Overall
- UL AWM Style 1569 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant

18 AWG (0,81mm²), 16/30 (16X0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5062C	2	0.032	0,81	0.226	5,74
5062/1C*	2	0.032	0,81	0.226	5,74
5063C	3	0.032	0,81	0.238	6,05
5063/1C*	3	0.032	0,81	0.238	6,05
5064C	4	0.032	0,81	0.259	6,58
5066C	6	0.032	0,81	0.307	7,80
5068C	8	0.032	0,81	0.332	8,43
5070C	10	0.032	0,81	0.384	9,75
5070/15C	15	0.032	0,81	0.433	11,00
5070/20C	20	0.032	0,81	0.484	12,29
5070/25C	25	0.032	0,81	0.542	13,77
5070/30C	30	0.053	1,35	0.617	15,67
5070/40C	40	0.053	1,35	0.688	17,48
5070/50C	50	0.053	1,35	0.758	19,25
5070/60C	60	0.083	2,11	0.881	22,38

16 AWG (1,23mm²), 19/0.0117 (19X0,29mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5072C	2	0.032	0,81	0.250	6,35
5072/1C*	2	0.032	0,81	0.250	6,35
5073C	3	0.032	0,81	0.264	6,71
5073/1C*	3	0.032	0,81	0.264	6,71
5074C	4	0.032	0,81	0.288	7,32
5076C	6	0.032	0,81	0.343	8,71
5078C	8	0.032	0,81	0.372	9,45
5080C	10	0.032	0,81	0.432	10,97
5080/15C	15	0.032	0,81	0.488	12,40
5080/20C	20	0.032	0,81	0.547	13,89
5080/25C	25	0.053	1,35	0.656	16,66
5080/30C	30	0.053	1,35	0.694	17,63
5080/40C	40	0.053	1,35	0.775	19,68
5080/50C	50	0.083	2,11	0.917	23,29
5080/60C	60	0.083	2,11	0.989	25,12



AVAILABILITY

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FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)

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- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System



XTRA-GUARD® 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Jacket: Premium PVC

SPECIFICATIONS

- UL Type CM, AWM Style 2343 Overall
- UL AWM Style 10002 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant

24 AWG (0,23mm²), 7/32 (7X0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5201C	7	0.063	1,60	0.263	6,68
5202C	12	0.063	1,60	0.313	7,95
5203C	15	0.063	1,60	0.333	8,46
5204C	19	0.063	1,60	0.350	8,89
5206C	37	0.063	1,60	0.438	11,13

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5210/2C	2	0.063	1,60	0.230	5,84
5211C	7	0.063	1,60	0.281	7,14
5212C	12	0.063	1,60	0.338	8,59
5213C	15	0.063	1,60	0.361	9,17
5214C	19	0.063	1,60	0.380	9,65
5214/25C	25	0.063	1,60	0.430	10,92
5215C	27	0.063	1,60	0.438	11,13
5216C	37	0.063	1,60	0.480	12,19

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5220/2C	2	0.063	1,60	0.246	6,25
5220C	5	0.063	1,60	0.288	7,32
5221C	7	0.063	1,60	0.305	7,75
5222C	12	0.063	1,60	0.371	9,42
5223C	15	0.063	1,60	0.398	10,11
5224C	19	0.063	1,60	0.420	10,67
5224/25C	25	0.063	1,60	0.478	12,14
5225C	27	0.063	1,60	0.487	12,37
5226C	37	0.063	1,60	0.536	13,61



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XTRA-GUARD® 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20°C to 105°C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2501 Overall
- UL AWM Style 1015 Conductors
- CSA AWM I A/B II A/B FT4 Overall
- CSA TEW Conductors
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5402	2	0.063	1,60	0.318	8,08
5404	4	0.063	1,60	0.358	9,09
5405	5	0.063	1,60	0.385	9,78
5407	7	0.063	1,60	0.414	10,52
5409	9	0.063	1,60	0.473	12,01
5409/19	19	0.063	1,60	0.601	15,27

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5413	3	0.063	1,60	0.350	8,89
5414	4	0.063	1,60	0.377	9,58
5419	9	0.063	1,60	0.503	12,78
5419/12	12	0.063	1,60	0.554	14,07
5419/15	15	0.063	1,60	0.601	15,27
5419/19	19	0.063	1,60	0.641	16,28
5419/25	25	0.063	1,60	0.742	18,85

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5422	2	0.063	1,60	0.352	8,94
5423	3	0.063	1,60	0.369	9,37
5424	4	0.063	1,60	0.399	10,13
5425	5	0.063	1,60	0.432	10,97
5427	7	0.063	1,60	0.466	11,84
5429	9	0.063	1,60	0.535	13,59
5429/15	15	0.063	1,60	0.643	16,33
5429/19	19	0.063	1,60	0.686	17,42
5429/25	25	0.063	1,60	0.796	20,22



AVAILABILITY

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FIT® TUBING RECOMMENDATION

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FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)

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XTREME PERFORMANCE BENEFITS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2501 Overall
- UL AWM Style 1015 Conductors
- CSA AWM I A/B II A/B FT4 Overall
- CSA TEW Conductors
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm, Insulation Thickness: 0.032" (0,81mm))

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5434	4	0.063	1,60	0.428	10,87
5435	5	0.063	1,60	0.464	11,79
5437	7	0.063	1,60	0.502	12,75
5439	9	0.063	1,60	0.579	14,71
5439/12	12	0.063	1,60	0.641	16,28
5439/15	15	0.063	1,60	0.698	17,73
5439/19	19	0.063	1,60	0.746	18,95
5439/25	25	0.083	2,11	0.908	23,06

14 AWG (2,08mm²), 41/30 (41x0,25mm, Insulation Thickness: 0.032" (0,81mm))

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5442	2	0.063	1,60	0.406	10,31
5443	3	0.063	1,60	0.428	10,87
5444	4	0.063	1,60	0.464	11,79
5445	5	0.063	1,60	0.505	12,83
5447	7	0.063	1,60	0.547	13,89
5449	9	0.063	1,60	0.634	16,10
5449/12	12	0.063	1,60	0.703	17,86
5449/15	15	0.063	1,60	0.767	19,48
5449/25	25	0.083	2,11	0.998	25,35



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XTRA-GUARD® 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing in with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Premium PVC

SPECIFICATIONS

- UL Type CM, AWM Style 2464 Overall
- UL AWM Style 10002 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



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FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5092C	2	0.032	0.81	0.160	4,06
5093C	3	0.032	0.81	0.167	4,24
5094C	4	0.032	0.81	0.179	4,55
5096C	6	0.032	0.81	0.205	5,21
5098C	8	0.032	0.81	0.219	5,56
5100C	10	0.032	0.81	0.248	6,30
5100/15C	15	0.032	0.81	0.275	6,98
5100/20C	20	0.032	0.81	0.304	7,72
5100/25C	25	0.032	0.81	0.336	8,53
5100/30C	30	0.032	0.81	0.354	8,99
5100/40C	40	0.032	0.81	0.394	10,01
5100/50C	50	0.032	0.81	0.433	11,00
5100/60C	60	0.032	0.81	0.468	11,89
5100/70C	70	0.032	0.81	0.505	12,83

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5192C	2	0.032	0.81	0.172	4,37
5193C	3	0.032	0.81	0.180	4,57
5194C	4	0.032	0.81	0.193	4,90
5196C	6	0.032	0.81	0.223	5,66
5198C	8	0.032	0.81	0.239	6,07
5199/10C	10	0.032	0.81	0.272	6,91
5199/15C	15	0.032	0.81	0.303	7,70
5199/20C	20	0.032	0.81	0.335	8,51
5199/25C	25	0.032	0.81	0.372	9,45
5199/30C	30	0.032	0.81	0.393	9,98
5199/40C	40	0.032	0.81	0.438	11,13
5199/50C	50	0.032	0.81	0.482	12,24
5199/60C	60	0.032	0.81	0.522	13,26
5199/70C	70	0.053	1,35	0.606	15,39

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5462C	2	0.032	0.81	0.212	5,38
5463C	3	0.032	0.81	0.223	5,66
5464C	4	0.032	0.81	0.242	6,15
5466C	6	0.032	0.81	0.284	7,21
5468C	8	0.032	0.81	0.306	7,77
5470C	10	0.032	0.81	0.352	8,94
5470/15C	15	0.032	0.81	0.395	10,03
5470/20C	20	0.032	0.81	0.441	11,20
5470/25C	25	0.032	0.81	0.492	12,50
5470/30C	30	0.032	0.81	0.521	13,23
5470/40C	40	0.053	1,35	0.626	15,90
5470/50C	50	0.053	1,35	0.688	17,48
5470/60C	60	0.053	1,35	0.744	18,90
5470/80C	80	0.083	2,11	0.903	22,94





Xtreme Performance In Critical, High Technology Electronic Signal Applications

XTREME PERFORMANCE BENEFITS:

- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Fast, Easy Stripping Of Insulation And Jacket To Reduce Installation And Connectorization Time And Cost
- Light-Duty Resistance To Most Oils Per UL Class 43
- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System



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XTRA-GUARD® 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing in with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Premium PVC

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5382C	2	0.032	0,81	0.230	5,84
5382/1C*	2	0.032	0,81	0.230	5,84
5383/1C*	3	0.032	0,81	0.242	6,15
5383C	3	0.032	0,81	0.242	6,15
5384C	4	0.032	0,81	0.263	6,68
5386C	6	0.032	0,81	0.311	7,90
5388C	8	0.032	0,81	0.336	8,53
5390C	10	0.032	0,81	0.388	9,86
5390/15C	15	0.032	0,81	0.437	11,10
5390/20C	20	0.032	0,81	0.488	12,40
5390/25C	25	0.053	1,35	0.588	14,94
5390/30C	30	0.053	1,35	0.621	15,77
5390/40C	40	0.053	1,35	0.692	17,58
5390/50C	50	0.053	1,35	0.762	19,35
5390/60C	60	0.083	2,11	0.885	22,48

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5362C	2	0.032	0,81	0.254	6,45
5362/1C*	2	0.032	0,81	0.254	6,45
5363/1C*	3	0.032	0,81	0.268	6,81
5363C	3	0.032	0,81	0.268	6,81
5364C	4	0.032	0,81	0.292	7,42
5366C	6	0.032	0,81	0.347	8,81
5368C	8	0.032	0,81	0.376	9,55
5370C	10	0.032	0,81	0.436	11,07
5370/15C	15	0.032	0,81	0.492	12,50
5370/20C	20	0.053	1,35	0.593	15,06
5370/25C	25	0.053	1,35	0.660	16,76
5370/30C	30	0.053	1,35	0.698	17,73
5370/40C	40	0.053	1,35	0.779	19,79

SPECIFICATIONS

- UL Type CM, AWM Style 2464 Overall
- UL AWM Style 1569 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)

Web Site: www.alphawire.com
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Xtreme Performance In Critical, High Technology Electronic Signal Applications

XTREME PERFORMANCE BENEFITS:

- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Fast, Easy Stripping Of Insulation And Jacket To Reduce Installation And Connectorization Time And Cost
- Light-Duty Resistance To Most Oils Per UL Class 43
- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System



XTRA-GUARD® 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing in with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Premium PVC

SPECIFICATIONS

- UL Type CM, AWM Style 2343 Overall
- UL AWM Style 10002 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



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24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5599/3C	3	0.063	1,60	0.229	5,82
5599/5C	5	0.063	1,60	0.254	6,45
5599/7C	7	0.063	1,60	0.267	6,78
5599/12C	12	0.063	1,60	0.317	8,05
5599/15C	15	0.063	1,60	0.337	8,56
5599/19C	19	0.063	1,60	0.354	8,99
5599/27C	27	0.063	1,60	0.405	10,29

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5580/2C	2	0.063	1,60	0.234	5,94
5580C	5	0.063	1,60	0.270	6,86
5581C	7	0.063	1,60	0.285	7,24
5582C	12	0.063	1,60	0.342	8,69
5583C	15	0.063	1,60	0.365	9,27
5584C	19	0.063	1,60	0.384	9,75
5586C	37	0.063	1,60	0.484	12,29

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5560/2C	2	0.063	1,60	0.250	6,35
5560/3C	3	0.063	1,60	0.259	6,58
5560/4C	4	0.063	1,60	0.275	6,98
5560C	5	0.063	1,60	0.292	7,42
5561C	7	0.063	1,60	0.309	7,85
5562C	12	0.063	1,60	0.375	9,52
5563C	15	0.063	1,60	0.402	10,21
5564C	19	0.063	1,60	0.424	10,77



Xtreme Performance In Critical, High Technology Electronic Signal Applications

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- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System



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XTRA-® 1 APPLICATIONS:

- EIA RS 232C Interface (22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105°C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing in with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Premium PVC

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5410/2	2	0.063	1,60	0.322	8,18
5410/3	3	0.063	1,60	0.337	8,56
5410/4	4	0.063	1,60	0.362	9,19
5410/5	5	0.063	1,60	0.389	9,88
5410/9	9	0.063	1,60	0.477	12,12
5410/12	12	0.063	1,60	0.525	13,34

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5420/3	3	0.063	1,60	0.354	8,99
5420/4	4	0.063	1,60	0.381	9,68
5420/5	5	0.063	1,60	0.411	10,44
5420/7	7	0.063	1,60	0.442	11,23
5420/9	9	0.063	1,60	0.507	12,88
5420/12	12	0.063	1,60	0.558	14,17

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5430/2	2	0.063	1,60	0.356	9,04
5430/3	3	0.063	1,60	0.373	9,47
5430/4	4	0.063	1,60	0.403	10,24
5430/5	5	0.063	1,60	0.436	11,07
5430/7	7	0.063	1,60	0.470	11,94
5430/9	9	0.063	1,60	0.539	13,69
5430/12	12	0.063	1,60	0.595	15,11
5430/15	15	0.063	1,60	0.647	16,43
5430/19	19	0.063	1,60	0.690	17,53
5430/25	25	0.063	1,60	0.800	20,32

SPECIFICATIONS

- UL AWM Style 2501 Overall
- UL AWM Style 1015 Conductors
- CSA AWM I A/B II A/B FT4 Overall
- CSA TEW Conductors
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



AVAILABILITY

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- Please Refer To www.alphawire.com For Stocked Items

FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)

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Xtreme Performance In Critical, High Technology Electronic Signal Applications

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XTRA-GUARD® 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing in with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Premium PVC

16 AWG (1,23mm²), 19/0.0117 (19X0,29mm, Insulation Thickness: 0.032" (0,81mm))

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5440/2	2	0.063	1,60	0.380	9,65
5440/3	3	0.063	1,60	0.399	10,13
5440/4	4	0.063	1,60	0.432	10,97
5440/5	5	0.063	1,60	0.468	11,89
5440/7	7	0.063	1,60	0.506	12,85
5440/9	9	0.063	1,60	0.583	14,81
5440/15	15	0.063	1,60	0.702	17,83

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5450/2	2	0.063	1,60	0.410	10,41
5450/3	3	0.063	1,60	0.432	10,97
5450/4	4	0.063	1,60	0.468	11,89
5450/5	5	0.063	1,60	0.509	12,93
5450/7	7	0.063	1,60	0.551	14,00
5450/9	9	0.063	1,60	0.638	16,21
5450/12	12	0.063	1,60	0.707	17,96
5450/15	15	0.063	1,60	0.771	19,58

SPECIFICATIONS

- UL AWM Style 2501 Overall
- UL AWM Style 1015 Conductors
- CSA AWM I A/B II A/B FT4 Overall
- CSA Type TEW Conductors
- Passes UL VW-1 Flame Test
- Passes CSA FT4Flame Test
- RoHS Compliant



AVAILABILITY

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FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)





Xtreme Performance In Critical, High Technology Electronic Signal Applications

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- Light-Duty Resistance To Most Oils Per UL Class 43
- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD® 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD:** Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2464 Overall
- UL AWM Style 10002 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



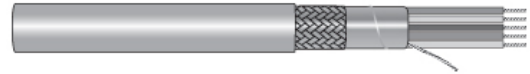
AVAILABILITY

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FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)



24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5112C	2	0.032	0.81	0.184	4,67
5113C	3	0.032	0.81	0.191	4,85
5114C	4	0.032	0.81	0.203	5,16
5116C	6	0.032	0.81	0.229	5,82
5118C	8	0.032	0.81	0.243	6,17
5120C	10	0.032	0.81	0.272	6,91
5120/15C	15	0.032	0.81	0.299	7,59
5120/20C	20	0.032	0.81	0.328	8,33
5120/25C	25	0.032	0.81	0.360	9,14
5120/30C	30	0.032	0.81	0.378	9,60
5120/40C	40	0.032	0.81	0.418	10,62
5120/50C	50	0.032	0.81	0.457	11,61

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5102C	2	0.032	0.81	0.196	4,98
5103C	3	0.032	0.81	0.204	5,18
5104C	4	0.032	0.81	0.217	5,51
5106C	6	0.032	0.81	0.247	6,27
5108C	8	0.032	0.81	0.263	6,68
5110C	10	0.032	0.81	0.296	7,52
5110/15C	15	0.032	0.81	0.327	8,31
5110/20C	20	0.032	0.81	0.359	9,12
5110/25C	25	0.032	0.81	0.396	10,06
5110/30C	30	0.032	0.81	0.417	10,59
5110/40C	40	0.032	0.81	0.462	11,73
5110/50C	50	0.032	0.81	0.506	12,85
5110/60C	60	0.053	1,35	0.588	14,94
5110/70C	70	0.053	1,35	0.630	16,00
5110/80C	80	0.053	1,35	0.665	16,89

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5152C	2	0.032	0.81	0.236	5,99
5153C	3	0.032	0.81	0.247	6,27
5154C	4	0.032	0.81	0.266	6,76
5156C	6	0.032	0.81	0.308	7,82
5158C	8	0.032	0.81	0.330	8,38
5160C	10	0.032	0.81	0.376	9,55
5160/15C	15	0.032	0.81	0.419	10,64
5160/20C	20	0.032	0.81	0.165	11,81
5160/25C	25	0.032	0.81	0.516	13,11
5160/30C	30	0.032	0.81	0.545	13,84
5160/40C	40	0.053	1,35	0.656	16,66
5160/50C	50	0.053	1,35	0.718	18,24
5160/60C	60	0.053	1,35	0.774	19,66





Xtreme Performance In Critical, High Technology Electronic Signal Applications

XTREME PERFORMANCE BENEFITS:

- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Fast, Easy Stripping Of Insulation And Jacket To Reduce Installation And Connectorization Time And Cost
- Light-Duty Resistance To Most Oils Per UL Class 43
- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD® 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD:** Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2464 Overall
- UL AWM Style 1569 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



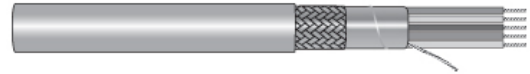
AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)



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18 AWG (0.81mm²), 16/30 (16x0.25mm), Insulation Thickness: 0.017" (0.43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5162C	2	0.032	0.81	0.254	6.45
5162/1C*	2	0.032	0.81	0.254	6.45
5163/1C*	3	0.032	0.81	0.266	6.76
5163C	3	0.032	0.81	0.266	6.76
5164C	4	0.032	0.81	0.287	7.29
5166C	6	0.032	0.81	0.335	8.51
5168C	8	0.032	0.81	0.360	9.14
5170C	10	0.032	0.81	0.412	10.46
5170/15C	15	0.032	0.81	0.461	11.71
5170/20C	20	0.032	0.81	0.512	13.00
5170/25C	25	0.053	1.35	0.612	15.54
5170/30C	30	0.053	1.35	0.651	16.54
5170/40C	40	0.053	1.35	0.722	18.34

16 AWG (1.23mm²), 19/0.0117 (19x0.29mm), Insulation Thickness: 0.017" (0.43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5172C	2	0.032	0.81	0.278	7.06
5172/1C*	2	0.032	0.81	0.278	7.06
5173/1C*	3	0.032	0.81	0.292	7.42
5173C	3	0.032	0.81	0.292	7.42
5174C	4	0.032	0.81	0.316	8.03
5176C	6	0.032	0.81	0.371	9.42
5178C	8	0.032	0.81	0.400	10.16
5180C	10	0.032	0.81	0.460	11.68
5180/15C	15	0.032	0.81	0.516	13.11
5180/20C	20	0.053	1.35	0.617	15.67
5180/25C	25	0.053	1.35	0.690	17.53





Xtreme Performance In Critical, High Technology Electronic Signal Applications

XTREME PERFORMANCE BENEFITS:

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- Fast, Easy Stripping Of Insulation And Jacket To Reduce Installation And Connectorization Time And Cost
- Light-Duty Resistance To Most Oils Per UL Class 43
- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD® 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Gray, Black, Yellow, Orange, Blue, Green, Red, Sand Beige, White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD:** Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2343 Overall UL AWM Style 10002 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



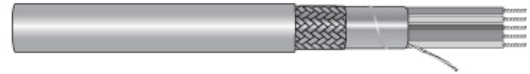
AVAILABILITY

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FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)



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24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5300C	5	0.063	1,60	0.278	7,06
5301C	7	0.063	1,60	0.291	7,39
5302C	12	0.063	1,60	0.341	8,66
5303C	15	0.063	1,60	0.361	9,17
5304C	19	0.063	1,60	0.378	9,60
5305C	27	0.063	1,60	0.429	10,90
5306C	37	0.063	1,60	0.466	11,84
5307C	48	0.063	1,60	0.517	13,13

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5310C	5	0.063	1,60	0.294	7,47
5311C	7	0.063	1,60	0.309	7,85
5312C	12	0.063	1,60	0.366	9,30
5313C	15	0.063	1,60	0.389	9,88
5314C	19	0.063	1,60	0.408	10,36
5315C	27	0.063	1,60	0.466	11,84
5316C	37	0.063	1,60	0.508	12,90
5318C	60	0.063	1,60	0.608	15,44

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5320/4C	4	0.063	1,60	0.299	7,59
5320C	5	0.063	1,60	0.316	8,03
5321C	7	0.063	1,60	0.333	8,46
5322C	12	0.063	1,60	0.399	10,13
5323C	15	0.063	1,60	0.426	10,82
5324C	19	0.063	1,60	0.448	11,38
5325C	27	0.063	1,60	0.515	13,08
5326C	37	0.063	1,60	0.564	14,33

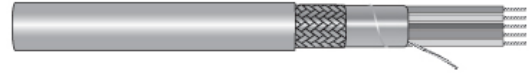




Xtreme Performance In Critical, High Technology Electronic Signal Applications

XTREME PERFORMANCE BENEFITS:

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- Fast, Easy Stripping Of Insulation And Jacket To Reduce Installation And Connectorization Time And Cost
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- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System



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XTRA·GUARD® 1 APPLICATIONS:

- EIA RS 232C Interface (22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2501 Overall
- UL AWM Style 1015 Conductors
- CSA AWM I A/B II A/B FT4 Overall
- CSA Type TEW Conductors
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5504	4	0.063	1,60	0.386	9,80
5507	7	0.063	1,60	0.442	11,23
5509/12	12	0.063	1,60	0.549	13,94

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5514	4	0.063	1,60	0.405	10,29
5515	5	0.063	1,60	0.435	11,05
5517	7	0.063	1,60	0.466	11,84
5519	9	0.063	1,60	0.531	13,49
5519/12	12	0.063	1,60	0.582	14,78
5519/19	19	0.063	1,60	0.675	17,14

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5522	2	0.063	1,60	0.380	9,65
5523	3	0.063	1,60	0.397	10,08
5524	4	0.063	1,60	0.427	10,85
5525	5	0.063	1,60	0.460	11,68
5527	7	0.063	1,60	0.494	12,55
5529	9	0.063	1,60	0.563	14,30
5529/12	12	0.063	1,60	0.619	15,72
5529/15	15	0.063	1,60	0.677	17,20
5529/19	19	0.083	2,11	0.760	19,30



AVAILABILITY

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FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)



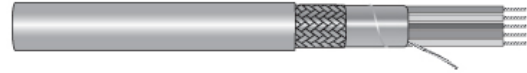


Xtreme Performance for Xtreme Environments

Xtreme Performance In Critical, High Technology Electronic Signal Applications

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- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System



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XTRA·GUARD® 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD:** Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2501 Overall
- UL AWM Style 1015 Conductors
- CSA AWM I A/B II A/B FT4 Overall
- CSA Type TEW Conductors
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5532	2	0.063	1,60	0.404	10,26
5533	3	0.063	1,60	0.423	10,74
5534	4	0.063	1,60	0.456	11,58
5535	5	0.063	1,60	0.492	12,50
5537	7	0.063	1,60	0.530	13,46
5539	9	0.063	1,60	0.607	15,42
5539/12	12	0.063	1,60	0.675	17,14
5539/15	15	0.083	2,11	0.772	19,61
5539/19	19	0.083	2,11	0.820	20,83

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5542	2	0.063	1,60	0.434	11,02
5543	3	0.063	1,60	0.456	11,58
5544	4	0.063	1,60	0.492	12,50
5547	7	0.063	1,60	0.575	14,60
5549	9	0.063	1,60	0.6680	16,97
5549/12	12	0.083	2,11	0.777	19,74
5549/15	15	0.083	2,11	0.841	21,36
5549/25	25	0.083	2,11	1.039	26,39



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FIT® TUBING RECOMMENDATION

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XTRA-GUARD® 1 APPLICATIONS:

- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart B Page 374, 20,18 AWG Chart A Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2464 Overall
- UL AWM Style 10002 Conductors, 24 & 22 AWG
- UL AWM Style 1569 Conductors, 20 & 18 AWG
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant

24 AWG (0,35mm²), 7/32 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5261C	1	0.032	0,81	0.156	3,96
5262C	2	0.032	0,81	0.212	5,38
5263C	3	0.032	0,81	0.224	5,69
5264C	4	0.032	0,81	0.2430	6,17
5265C	5	0.032	0,81	0.264	6,71
5266C	6	0.032	0,81	0.286	7,26
5269C	9	0.032	0,81	0.332	8,43
5269/11C	11	0.032	0,81	0.357	9,07
5269/15C	15	0.032	0,81	0.401	10,19
5269/27C	27	0.032	0,81	0.512	13,00
5269/77C	77	0.083	2,11	0.904	22,96

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5021C	1	0.032	0,81	0.168	4,27
5022C	2	0.032	0,81	0.232	5,89
5023C	3	0.032	0,81	0.245	6,22
5024C	4	0.032	0,81	0.267	6,78
5025C	5	0.032	0,81	0.291	7,39
5026C	6	0.032	0,81	0.316	8,03
5029/15C	15	0.032	0,81	0.447	11,35

20 AWG (0,56mm²), 7/27 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5282C	2	0.032	0,81	0.298	7,57
5283C	3	0.032	0,81	0.316	8,03
5286C	6	0.032	0,81	0.415	10,54
5289C	9	0.032	0,81	0.487	12,37
5289/12C	12	0.032	0,81	0.545	13,84

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5032C	2	0.032	0,81	0.327	8,31
5033C	3	0.032	0,81	0.348	8,84
5036C	6	0.032	0,81	0.460	11,68
5039C	9	0.032	0,81	0.541	13,74
5039/12C	12	0.053	1,35	0.648	16,46



AVAILABILITY

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FIT® TUBING RECOMMENDATION

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FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)

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Xtreme Performance In Critical, High Technology Electronic Signal Applications

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XTRA-GUARD® 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Medical Electronics
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart B Page 374, 20,18 AWG Chart A Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing in with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2464 Overall
- UL AWM Style 10002 Conductors, 24 & 22 AWG
- UL AWM Style 1569 Conductors, 20 & 18 AWG
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant

24 AWG (0,23mm²), 7/32 (7X0,20MM), Insulation Thickness: 0.010" (0,25MM)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5491C	1	0.032	0,81	0.160	4,06
5492C	2	0.032	0,81	0.216	5,49
5493C	3	0.032	0,81	0.228	5,79
5494C	4	0.032	0,81	0.247	6,27
5495C	5	0.032	0,81	0.268	6,81
5496C	6	0.032	0,81	0.290	7,37
5499C	9	0.032	0,81	0.336	8,53
5499/11C	11	0.032	0,81	0.361	9,17
5499/15C	15	0.032	0,81	0.405	10,29
5499/19C	19	0.032	0,81	0.433	11,00
5499/27C	27	0.032	0,81	0.516	13,11

22 AWG (0,35mm²), 7/30 (7X0,25MM), Insulation Thickness: 0.010" (0,25MM)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5481C	1	0.032	0,81	0.172	4,37
5482C	2	0.032	0,81	0.236	5,99
5483C	3	0.032	0,81	0.249	6,32
5484C	4	0.032	0,81	0.271	6,88
5485C	5	0.032	0,81	0.295	7,49
5486C	6	0.032	0,81	0.320	8,13
5489C	9	0.032	0,81	0.372	9,45
5489/11C	11	0.032	0,81	0.400	10,16
5489/15C	15	0.032	0,81	0.451	11,46
5489/19C	19	0.032	0,81	0.483	12,27
5489/27C	27	0.053	1,35	0.619	15,72

20 AWG (0,56mm²), 7/28 (7X0,32MM), Insulation Thickness: 0.017" (0,43MM)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5452C	2	0.032	0,81	0.302	7,67
5453C	3	0.032	0,81	0.320	8,13
5456C	6	0.032	0,81	0.419	10,64
5459C	9	0.032	0,81	0.491	12,47
5459/12C	12	0.032	0,81	0.549	13,94
5459/19C	19	0.053	1,35	0.689	17,50

18 AWG (0,81mm²), 16X30 (16X0,25MM), Insulation Thickness: 0.017" (0,43MM)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5373C	3	0.032	0,81	0.352	8,94
5376C	6	0.032	0,81	0.464	11,79



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
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FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)

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Xtreme Performance In Critical, High Technology Electronic Signal Applications

XTREME PERFORMANCE BENEFITS:

- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
- Fast, Easy Stripping Of Insulation And Jacket To Reduce Installation And Connectorization Time And Cost
- Light-Duty Resistance To Most Oils Per UL Class 43
- Resistance To Ambient Temperatures Up To 105°C (221°F)
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD®**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD® 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart B Page 374, 20,18 AWG Chart A Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD:** Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2464 Overall
- UL AWM Style 10002 Conductors, 24 & 22 AWG
- UL AWM Style 1569 Conductors, 20 & 18 AWG
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



24 AWG (0,23mm²), 7/32 (7X0,2mm), Insulation Thickness: 0.010" (0,25MM)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5271C	1	0.032	0,81	0.184	4,67
5272C	2	0.032	0,81	0.240	6,10
5273C	3	0.032	0,81	0.252	6,40
5274C	4	0.032	0,81	0.271	6,88
5275C	5	0.032	0,81	0.292	7,42
5276C	6	0.032	0,81	0.314	7,98
5279C	9	0.032	0,81	0.360	9,14
5279/11C	11	0.032	0,81	0.385	9,78
5279/15C	15	0.032	0,81	0.429	10,90
5279/19C	19	0.032	0,81	0.457	11,61
5279/27C	27	0.032	0,81	0.540	13,72
5279/51C	51	0.053	1,35	0.739	18,77

22 AWG (0,35mm²), 7/30 (7X0,25MM), Insulation Thickness: 0.010" (0,25MM)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5121C	1	0.032	0,81	0.196	4,98
5122C	2	0.032	0,81	0.260	6,60
5123C	3	0.032	0,81	0.273	6,93
5124C	4	0.032	0,81	0.295	7,49
5125C	5	0.032	0,81	0.319	8,10
5126C	6	0.032	0,81	0.344	8,74
5129C	9	0.032	0,81	0.396	10,06
5129/11C	11	0.032	0,81	0.424	10,77
5129/15C	15	0.032	0,81	0.475	12,06
5129/19C	19	0.032	0,81	0.507	12,88
5129/27C	27	0.053	1,35	0.649	16,48

20 AWG (0,56mm²), 7/28 (7X0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5292C	2	0.032	0,81	0.326	8,28
5293C	3	0.032	0,81	0.344	8,74
5296C	6	0.032	0,81	0.443	11,25
5299C	9	0.032	0,81	0.515	13,08
5299/12C	12	0.053	1,35	0.615	15,62
5299/19C	19	0.053	1,35	0.719	18,26
5299/27C	27	0.083	2,11	0.911	23,14

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5132C	2	0.032	0,81	0.355	9,02
5133C	3	0.032	0,81	0.376	9,55
5136C	6	0.032	0,81	0.488	12,40
5139C	9	0.053	1,35	0.611	15,52
5139/27C	27	0.083	2,11	1.004	25,50



AVAILABILITY

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FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

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Xtreme Performance In Critical, High Technology Electronic Signal Applications

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- Unique Premium-Grade PVC Insulation And Jacket Provides Easier Routing Of Cables In Tight Spaces
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XTRA-GUARD® 1 APPLICATIONS:

- EIA RS 232C Interface (24, 22 AWG)
- High Technology Applications in Controlled Environments
- Point-Of-Sale Equipment
- Computer Peripherals
- Industrial Process Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C CM & CMG

Voltage Rating

- 300 Volt

Color Description:

- Color Code: Chart B Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD:** Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Premium PVC

SPECIFICATIONS

- UL AWM Style 2343 Overall
- UL AWM Style 10002 Conductors
- CSA CMG FT4
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant



24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5330C	5	0.063	1,60	0.354	8,99
5331C	7	0.063	1,60	0.376	9,55
5332C	12	0.063	1,60	0.458	11,63
5333C	15	0.063	1,60	0.491	12,47
5334C	19	0.063	1,60	0.519	13,18
5335C	27	0.063	1,60	0.602	15,29
5336C	37	0.063	1,60	0.669	16,99

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5340/2C	2	0.063	1,60	0.322	8,18
5340C	5	0.063	1,60	0.381	9,68
5341C	7	0.063	1,60	0.406	10,31
5342C	12	0.063	1,60	0.499	12,67
5344C	19	0.063	1,60	0.569	14,45
5345C	27	0.063	1,60	0.669	16,99
5346C	37	0.063	1,60	0.738	18,75

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
5350/4C	4	0.063	1,60	0.388	9,86
5350C	5	0.063	1,60	0.416	10,57
5351C	7	0.063	1,60	0.446	11,33
5351/9C	9	0.063	1,60	0.505	12,83
5353C	15	0.063	1,60	0.597	15,16
5354C	19	0.063	1,60	0.634	16,10
5355C	27	0.063	1,60	0.749	19,02



AVAILABILITY

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FIT® TUBING RECOMMENDATION

FIT® - 221 - General Purpose, Irradiated Polyolefin (See Page 114 for Product Specifications)

FIT® - 321 - Medium-Wall, Adhesive-Lined Irradiated Polyolefin (See Page 121 for Product Specifications)





Xtreme Performance In Heavy Duty Industrial Applications Such As Abrasion, Cut-Through, Mechanical Abuse, Oils, Chemicals, Solvents And Fuels

Xtreme Performance Benefits:

- Specially Formulated, Xtra-Rugged Polyurethane Jacket Has Three Times The Tear And Abrasion Resistance Of Ordinary PVC
- Xtreme Resistance To Cut-Through And Physical Damage
- Moderate To High Resistance To Most Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System



XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Military Ground Support Systems
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 90° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Jacket: Specially Formulated Polyurethane

SPECIFICATIONS

- UL AWM Style 20668
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT4 Flame Test
- RoHS Compliant

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25012	2	0.032	0,81	0.156	3,96
25013	3	0.032	0,81	0.163	4,14
25014	4	0.032	0,81	0.175	4,44
25016	6	0.032	0,81	0.201	5,11
25018	8	0.032	0,81	0.215	5,46
25020	10	0.032	0,81	0.244	6,20
25020/15	15	0.032	0,81	0.271	6,88
25020/20	20	0.032	0,81	0.300	7,62
25020/25	25	0.032	0,81	0.332	8,43

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25002	2	0.032	0,81	0.168	4,27
25003	3	0.032	0,81	0.176	4,47
25004	4	0.032	0,81	0.189	4,80
25006	6	0.032	0,81	0.219	5,56
25008	8	0.032	0,81	0.235	5,97
25010	10	0.032	0,81	0.268	6,81
25010/15	15	0.032	0,81	0.299	7,59
25010/20	20	0.032	0,81	0.331	8,41
25010/25	25	0.032	0,81	0.368	9,35
25010/40	40	0.032	0,81	0.434	11,02

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25052	2	0.032	0,81	0.208	5,28
25053	3	0.032	0,81	0.219	5,56
25054	4	0.032	0,81	0.238	6,05
25056	6	0.032	0,81	0.280	7,11
25058	8	0.032	0,81	0.302	7,67
25060	10	0.032	0,81	0.348	8,84
25060/15	15	0.032	0,81	0.391	9,93
25060/20	20	0.032	0,81	0.437	11,10
25060/25	25	0.032	0,81	0.488	12,40
25060/30	30	0.032	0,81	0.517	13,13
25060/40	40	0.053	1,35	0.622	15,80
25060/50	50	0.053	1,35	0.684	17,37
25060/60	60	0.053	1,35	0.740	18,80
25060/70	70	0.083	2,11	0.859	21,82



AVAILABILITY

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FIT[®] TUBING RECOMMENDATION

FIT[®] -750 - Bonding Adhesive-Lined Irradiated Polyolefin
(See Page 127 for Product Specifications)

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Xtreme Performance In Heavy Duty Industrial Applications Such As Abrasion, Cut-Through, Mechanical Abuse, Oils, Chemicals, Solvents And Fuels

Xtreme Performance Benefits:

- Specially Formulated, Xtra-Rugged Polyurethane Jacket Has Three Times The Tear And Abrasion Resistance Of Ordinary PVC
- Xtreme Resistance To Cut-Through And Physical Damage
- Moderate To High Resistance To Most Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System



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XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Military Ground Support Systems
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 90° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Jacket: Specially Formulated Polyurethane

SPECIFICATIONS

- UL AWM Style 20668
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^ 25062	2	0.032	0,81	0.226	5,74
^ 25062/1*	2	0.032	0,81	0.226	5,74
^ 25063	3	0.032	0,81	0.238	6,05
^ 25063/1*	3	0.032	0,81	0.238	6,05
^ 25064	4	0.032	0,81	0.259	6,58
^ 25066	6	0.032	0,81	0.307	7,80
25068	8	0.032	0,81	0.332	8,43
25070	10	0.032	0,81	0.384	9,75
25070/15	15	0.032	0,81	0.433	11,00
25070/20	20	0.032	0,81	0.484	12,29
25070/25	25	0.032	0,81	0.554	13,77

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^ 25072	2	0.032	0,81	0.250	6,35
^ 25072/1*	2	0.032	0,81	0.250	6,35
25073	3	0.032	0,81	0.264	6,71
25073/1*	3	0.032	0,81	0.264	6,71
25074	4	0.032	0,81	0.288	7,32
25076	6	0.032	0,81	0.343	8,71
25078	8	0.032	0,81	0.372	9,45
25080	10	0.032	0,81	0.432	10,97
25080/15	15	0.032	0,81	0.488	12,40
25080/20	20	0.032	0,81	0.547	13,89
25080/25	25	0.053	1,35	0.656	16,66



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- Moderate To High Resistance To Most Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System



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XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Military Ground Support Systems
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Jacket: Specially Formulated Polyurethane

SPECIFICATIONS

- UL AWM Style 20952
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25422	2	0.063	1,60	0.352	8,94
25423	3	0.063	1,60	0.369	9,37
25424	4	0.063	1,60	0.399	10,13
25427	7	0.063	1,60	0.466	11,84
25429	9	0.063	1,60	0.535	13,59
25429/12	12	0.063	1,60	0.591	15,01

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25432	2	0.063	1,60	0.376	9,55
25433	3	0.063	1,60	0.395	10,03
25434	4	0.063	1,60	0.428	10,87
25435	5	0.063	1,60	0.464	11,79
25439	9	0.063	1,60	0.579	14,71
25439/12	12	0.063	1,60	0.641	16,28
25439/19	19	0.063	1,60	0.746	18,95

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25442	2	0.063	1,60	0.406	10,31
25443	3	0.063	1,60	0.428	10,87
25444	4	0.063	1,60	0.464	11,79
25445	5	0.063	1,60	0.505	12,83
25449	9	0.063	1,60	0.634	16,10
25449/12	12	0.063	1,60	0.703	17,86



AVAILABILITY

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(See Page 127 for Product Specifications)

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Toll Free: 1-800-52 ALPHA • Telephone: 908-925-8000 • Fax: 908-925-6923
Europe/UK Telephone: +44 (0) 1932 772422 • Europe/UK Fax: +44 (0) 1932 772433





Xtreme Performance In Heavy Duty Industrial Applications Such As Abrasion, Cut-Through, Mechanical Abuse, Oils, Chemicals, Solvents And Fuels

Xtreme Performance Benefits:

- Specially Formulated, Xtra-Rugged Polyurethane Jacket Has Three Times The Tear And Abrasion Resistance Of Ordinary PVC
- Xtreme Resistance To Cut-Through And Physical Damage
- Moderate To High Resistance To Most Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Military Ground Support Systems
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 90° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Specially Formulated Polyurethane

SPECIFICATIONS

- UL AWM Style 20668
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant



24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^ 25092	2	0.032	0,81	0.160	4,06
^ 25093	3	0.032	0,81	0.167	4,24
^ 25094	4	0.032	0,81	0.179	4,55
25096	6	0.032	0,81	0.205	5,21
^ 25098	8	0.032	0,81	0.219	5,56
25100	10	0.032	0,81	0.248	6,30
25100/15	15	0.032	0,81	0.275	6,98
25100/20	20	0.032	0,81	0.304	7,72
25100/25	25	0.032	0,81	0.336	8,53
25100/50	50	0.032	0,81	0.433	11,00

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^ 25192	2	0.032	0,81	0.172	4,37
25193	3	0.032	0,81	0.180	4,57
25194	4	0.032	0,81	0.193	4,90
^ 25196	6	0.032	0,81	0.223	5,66
25198	8	0.032	0,81	0.239	6,07
25199/10	10	0.032	0,81	0.272	6,91
25199/15	15	0.032	0,81	0.303	7,70
25199/20	20	0.032	0,81	0.335	8,51
25199/25	25	0.032	0,81	0.372	9,45
25199/30	30	0.032	0,81	0.393	9,98
25199/40	40	0.032	0,81	0.438	11,13
25199/50	50	0.032	0,81	0.482	12,24

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^ 25462	2	0.032	0,81	0.212	5,38
^ 25463	3	0.032	0,81	0.223	5,66
^ 25464	4	0.032	0,81	0.242	6,15
25466	6	0.032	0,81	0.284	7,21
^ 25468	8	0.032	0,81	0.306	7,77
25470	10	0.032	0,81	0.352	8,94
25470/15	15	0.032	0,81	0.395	10,03
25470/20	20	0.032	0,81	0.441	11,20
25470/25	25	0.032	0,81	0.492	12,50
25470/30	30	0.032	0,81	0.521	13,23
25470/40	40	0.053	1,35	0.626	15,90
25470/50	50	0.053	1,35	0.688	17,48



AVAILABILITY:

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FITT[®] TUBING RECOMMENDATION

FIT[®] -750 - Bonding Adhesive-Lined Irradiated Polyolefin
(See Page 127 for Product Specifications)





Xtreme Performance for Xtreme Environments

Xtreme Performance In Heavy Duty Industrial Applications Such As Abrasion, Cut-Through, Mechanical Abuse, Oils, Chemicals, Solvents And Fuels



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Xtreme Performance Benefits:

- Specially Formulated, Xtra-Rugged Polyurethane Jacket Has Three Times The Tear And Abrasion Resistance Of Ordinary PVC
- Xtreme Resistance To Cut-Through And Physical Damage
- Moderate To High Resistance To Most Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Military Ground Support Systems
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 90° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminium/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Specially Formulated Polyurethane

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25382	2	0.032	0,81	0.230	5,84
25382/1*	2	0.032	0,81	0.230	5,84
25383	3	0.032	0,81	0.242	6,15
25383/1*	3	0.032	0,81	0.242	6,15
25384	4	0.032	0,81	0.263	6,68
25386	6	0.032	0,81	0.311	7,90
25388	8	0.032	0,81	0.336	8,53
25390	10	0.032	0,81	0.388	9,86
25390/15	15	0.032	0,81	0.437	11,10
25390/20	20	0.032	0,81	0.488	12,40
25390/25	25	0.053	1,35	0.588	14,94
25390/30	30	0.053	1,35	0.621	15,77
25390/40	40	0.053	1,35	0.692	17,58
25390/50	50	0.053	1,35	0.762	19,35
25390/60	60	0.083	2,11	0.885	22,48

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25362	2	0.032	0,81	0.254	6,45
25362/1*	2	0.032	0,81	0.254	6,45
25363	3	0.032	0,81	0.268	6,81
25363/1*	3	0.032	0,81	0.268	6,81
25364	4	0.032	0,81	0.292	7,42
25366	6	0.032	0,81	0.347	8,81
25368	8	0.032	0,81	0.376	9,55
25370	10	0.032	0,81	0.436	11,07
25370/15	15	0.032	0,81	0.492	12,50
25370/20	20	0.053	1,35	0.593	15,06
25370/25	25	0.053	1,35	0.660	16,76
25370/30	30	0.053	1,35	0.698	17,73
25370/40	40	0.083	2,11	0.779	19,79
25370/50	50	0.083	2,11	0.921	23,39

SPECIFICATIONS

- UL AWM Style 20668
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] -750 - Bonding Adhesive-Lined Irradiated Polyolefin
(See Page 127 for Product Specifications)





Xtreme Performance In Heavy Duty Industrial Applications Such As Abrasion, Cut-Through, Mechanical Abuse, Oils, Chemicals, Solvents And Fuels

Xtreme Performance Benefits:

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- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System



XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Military Ground Support Systems
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Specially Formulated Polyurethan

SPECIFICATIONS

- UL AWM Style 20952
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25430/2	2	0.063	1,60	0.356	9,04
25430/3	3	0.063	1,60	0.373	9,47
25430/4	4	0.063	1,60	0.403	10,24
25430/5	5	0.063	1,60	0.436	11,07
25430/7	7	0.063	1,60	0.470	11,94
25430/9	9	0.063	1,60	0.539	13,69
25430/12	12	0.063	1,60	0.595	15,11
25430/15	15	0.063	1,60	0.647	16,43
25430/19	19	0.063	1,60	0.690	17,53
25430/25	25	0.063	1,60	0.800	20,32

16 AWG (1,23mm²), 19/0,0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25440/2	2	0.063	1,60	0.380	9,65
25440/3	3	0.063	1,60	0.399	10,13
25440/4	4	0.063	1,60	0.432	10,97
25440/5	5	0.063	1,60	0.468	11,89
25440/7	7	0.063	1,60	0.506	12,85
25440/9	9	0.063	1,60	0.583	14,81
25440/12	12	0.063	1,60	0.645	16,38
25440/15	15	0.063	1,60	0.702	17,83
25440/25	25	0.085	2,16	0.916	23,27

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25450/2	2	0.063	1,60	0.410	10,41
25450/3	3	0.063	1,60	0.432	10,97
25450/4	4	0.063	1,60	0.468	11,89
25450/5	5	0.063	1,60	0.509	12,93
25450/7	7	0.063	1,60	0.551	14,00
25450/9	9	0.063	1,60	0.638	16,21
25450/12	12	0.063	1,60	0.707	17,96
25450/15	15	0.063	1,60	0.771	19,58
25450/25	25	0.085	2,16	1.006	25,55



AVAILABILITY

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FITT[®] TUBING RECOMMENDATION

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- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System



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XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 90° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD[®]**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Specially Formulated Polyurethane

SPECIFICATIONS

- UL AWM Style 20668
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25112	2	0.032	0,81	0.184	4,67
25113	3	0.032	0,81	0.191	4,85
[^] 25114	4	0.032	0,81	0.203	5,16
25116	6	0.032	0,81	0.229	5,82
25118	8	0.032	0,81	0.243	6,17
[^] 25120	10	0.032	0,81	0.272	6,91
25120/15	15	0.032	0,81	0.299	7,59
25120/20	20	0.032	0,81	0.328	8,33
25120/25	25	0.032	0,81	0.360	9,14
25120/30	30	0.032	0,81	0.378	9,60
25120/40	40	0.032	0,81	0.418	10,62
25120/50	50	0.032	0,81	0.457	11,61

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25102	2	0.032	0,81	0.196	4,98
25103	3	0.032	0,81	0.204	5,18
[^] 25104	4	0.032	0,81	0.217	5,51
[^] 25106	6	0.032	0,81	0.247	6,27
25108	8	0.032	0,81	0.263	6,68
[^] 25110	10	0.032	0,81	0.296	7,52
25110/15	15	0.032	0,81	0.327	8,31
25110/20	20	0.032	0,81	0.359	9,12
25110/25	25	0.032	0,81	0.396	10,06
25110/30	30	0.032	0,81	0.417	10,59
25110/40	40	0.032	0,81	0.462	11,73
25110/50	50	0.032	0,81	0.506	12,85

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25152	2	0.032	0,81	0.236	5,99
25153	3	0.032	0,81	0.247	6,27
[^] 25154	4	0.032	0,81	0.266	6,76
25156	6	0.032	0,81	0.308	7,82
25158	8	0.032	0,81	0.330	8,38
25160	10	0.032	0,81	0.376	9,55
25160/15	15	0.032	0,81	0.419	10,64
25160/20	20	0.032	0,81	0.465	11,81
25160/25	25	0.032	0,81	0.516	13,11
25160/30	30	0.032	0,81	0.545	13,84
25160/40	40	0.053	1,35	0.656	16,66
25160/50	50	0.053	1,35	0.718	18,24



AVAILABILITY

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FITT[®] TUBING RECOMMENDATION

FIT[®] -750 - Bonding Adhesive-Lined Irradiated Polyolefin
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XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 90° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD[®]**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Specially Formulated Polyurethane

SPECIFICATIONS

- UL AWM Style 20668
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant



18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
[^] 25162	2	0.032	0,81	0.254	6,45
[^] 25162/1*	2	0.032	0,81	0.254	6,45
25163	3	0.032	0,81	0.266	6,76
25163/1*	3	0.032	0,81	0.266	6,76
25164	4	0.032	0,81	0.287	7,29
25166	6	0.032	0,81	0.335	8,51
[^] 25168	8	0.032	0,81	0.360	9,14
[^] 25170	10	0.032	0,81	0.412	10,46
25170/15	15	0.032	0,81	0.461	11,71
25170/20	20	0.032	0,81	0.512	13,00
25170/25	25	0.053	1,35	0.612	15,54
25170/30	30	0.053	1,35	0.651	16,54
25170/40	40	0.053	1,35	0.722	18,34

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25172	2	0.032	0,81	0.278	7,06
25172/1*	2	0.032	0,81	0.278	7,06
25173	3	0.032	0,81	0.292	7,42
25173/1*	3	0.032	0,81	0.292	7,42
25174	4	0.032	0,81	0.316	8,03
25176	6	0.032	0,81	0.371	9,42
25178	8	0.032	0,81	0.400	10,16
25180	10	0.032	0,81	0.460	11,68
25180/15	15	0.032	0,81	0.516	13,11
25180/20	20	0.053	1,35	0.617	15,67
25180/25	25	0.053	1,35	0.690	17,53
25180/30	30	0.053	1,35	0.728	18,49
25180/40	40	0.083	2,11	0.869	22,07
25180/50	50	0.083	2,11	0.951	24,16

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25172	2	0.032	0,81	0.278	7,06
25172/1*	2	0.032	0,81	0.278	7,06
25173	3	0.032	0,81	0.292	7,42
25173/1*	3	0.032	0,81	0.292	7,42
25174	4	0.032	0,81	0.316	8,03
25176	6	0.032	0,81	0.371	9,42
25178	8	0.032	0,81	0.400	10,16
25180	10	0.032	0,81	0.460	11,68
25180/15	15	0.032	0,81	0.516	13,11
25180/20	20	0.053	1,35	0.617	15,67
25180/25	25	0.053	1,35	0.690	17,53
25180/30	30	0.053	1,35	0.728	18,49
25180/40	40	0.083	2,11	0.869	22,07
25180/50	50	0.083	2,11	0.951	24,16

AVAILABILITY

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- Orders Placed By 6:00 EST Will Be Shipped The Same Day
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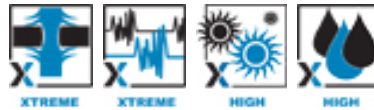
FIT[®] TUBING RECOMMENDATION

FIT[®] -750 - Bonding Adhesive-Lined Irradiated Polyolefin
(See Page 127 for Product Specifications)

Web Site: www.alphawire.com
Email: info@alphawire.com

Toll Free: 1-800-52 ALPHA • Telephone: 908-925-8000 • Fax: 908-925-6923
Europe/UK Telephone: +44 (0) 1932 772422 • Europe/UK Fax: +44 (0) 1932 772433





Xtreme Performance for Xtreme Environments

Xtreme Performance In Heavy Duty Industrial Applications Such As Abrasion, Cut-Through, Mechanical Abuse, Oils, Chemicals, Solvents And Fuels



52

Xtreme Performance Benefits:

- Specially Formulated, Xtra-Rugged Polyurethane Jacket Has Three Times The Tear And Abrasion Resistance Of Ordinary PVC
- Xtreme Resistance To Cut-Through And Physical Damage
- Moderate To High Resistance To Most Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 105° C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD[®]**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Specially Formulated Polyurethane

SPECIFICATIONS

- UL AWM Style 20952
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant



AVAILABILITY

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18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

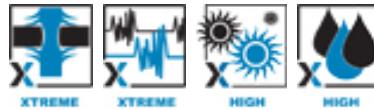
Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25522	2	0.063	1,60	0.380	9,65
25523	3	0.063	1,60	0.397	10,08
25524	4	0.063	1,60	0.427	10,85
25525	5	0.063	1,60	0.460	11,68
25527	7	0.063	1,60	0.494	12,55
25529	9	0.063	1,60	0.563	14,30

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm, Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25532	2	0.063	1,60	0.404	10,26
25533	3	0.063	1,60	0.423	10,74
25534	4	0.063	1,60	0.456	11,58
25535	5	0.063	1,60	0.492	12,50
25537	7	0.063	1,60	0.530	13,46
25539	9	0.063	1,60	0.607	15,42
25539/12	12	0.063	1,60	0.675	17,14
25539/15	15	0.083	2,11	0.772	19,61
25539/19	19	0.083	2,11	0.820	20,83

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25542	2	0.063	1,60	0.434	11,08
25543	3	0.063	1,60	0.456	11,58
25544	4	0.063	1,60	0.492	12,50
25545	5	0.063	1,60	0.533	13,54
25547	7	0.063	1,60	0.575	14,60
25549	9	0.063	1,60	0.668	16,97
25549/12	12	0.083	2,11	0.777	19,74
25549/15	15	0.083	2,11	0.841	21,36



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- Xtreme Resistance To Cut-Through And Physical Damage
- Moderate To High Resistance To Most Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System



53

XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Military Ground Support Systems
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 90° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart B Page 374, 20, 18 AWG Chart A: Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminium/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Specially Formulated Polyurethane

SPECIFICATIONS

- UL AWM Style 20668
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25491	1	0.032	0,81	0.160	4,06
25492	2	0.032	0,81	0.216	5,49
25493	3	0.032	0,81	0.228	5,79
25494	4	0.032	0,81	0.247	6,27
25495	5	0.032	0,81	0.268	6,81
25496	6	0.032	0,81	0.290	7,37
25499	9	0.032	0,81	0.336	8,53
25499/11	11	0.032	0,81	0.361	9,17
25499/15	15	0.032	0,81	0.405	10,29
25499/19	19	0.032	0,81	0.433	11,00
25499/27	27	0.032	0,81	0.516	13,11
25499/51	51	0.053	1,35	0.709	18,01

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

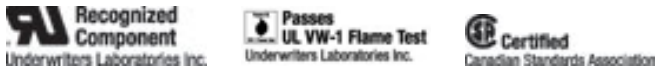
Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25481	1	0.032	0,81	0.172	4,37
25482	2	0.032	0,81	0.236	5,99
25483	3	0.032	0,81	0.249	6,32
25484	4	0.032	0,81	0.271	6,88
25485	5	0.032	0,81	0.295	7,49
25486	6	0.032	0,81	0.320	8,13
25489	9	0.032	0,81	0.372	9,45
25489/11	11	0.032	0,81	0.400	10,16
25489/15	15	0.032	0,81	0.451	11,46
25489/19	19	0.032	0,81	0.483	12,27

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25452	2	0.032	0,81	0.302	7,67
25453	3	0.032	0,81	0.320	8,13
25454	4	0.032	0,81	0.350	8,89
25456	6	0.032	0,81	0.419	10,64
25459	9	0.032	0,81	0.491	12,47
25459/12	12	0.032	0,81	0.549	13,94
25459/15	15	0.053	1,35	0.644	16,36

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25372	2	0.032	0,81	0.331	8,41
25373	3	0.032	0,81	0.352	8,94
25376	6	0.032	0,81	0.464	11,79
25379	9	0.032	0,81	0.545	13,84
25379/12	12	0.053	1,35	0.652	16,56



AVAILABILITY

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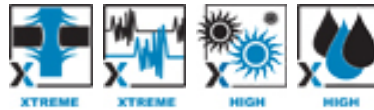
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XTRA-GUARD[®] 2 APPLICATIONS:

- CNC Machine Centers
- Automotive Assembly Plant Operations
- Packaging Machinery
- Petrochemical Plant Operations
- Geophysical Exploration Equipment

CHARACTERISTICS:

Operating Temperature:

- -20° C to 90° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart B Page 374, 20, 18 AWG Chart A Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Specially Formulated Polyurethane

SPECIFICATIONS

- UL AWM Style 20668
- CSA AWM I A/B II A/B FT1
- Passes UL VW-1 Flame Test
- Passes CSA FT1 Flame Test
- RoHS Compliant



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24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25271	1	0.032	0,81	0.184	4,67
25272	2	0.032	0,81	0.240	6,10
25273	3	0.032	0,81	0.252	6,40
25274	4	0.032	0,81	0.271	6,88
25275	5	0.032	0,81	0.292	7,42
[^] 25276	6	0.032	0,81	0.314	7,98
[^] 25279	9	0.032	0,81	0.360	9,14
25279/11	11	0.032	0,81	0.385	9,78
25279/15	15	0.032	0,81	0.429	10,90
25279/19	19	0.032	0,81	0.457	11,61

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

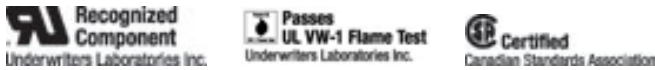
Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25121	1	0.032	0,81	0.196	4,98
25122	2	0.032	0,81	0.260	6,60
25123	3	0.032	0,81	0.273	6,93
[^] 25124	4	0.032	0,81	0.295	7,49
25125	5	0.032	0,81	0.319	8,10
25126	6	0.032	0,81	0.344	8,74
25129	9	0.032	0,81	0.396	10,06
25129/11	11	0.032	0,81	0.424	10,77
25129/15	15	0.032	0,81	0.475	12,06

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25292	2	0.032	0,81	0.326	8,28
25293	3	0.032	0,81	0.344	8,74
25296	6	0.032	0,81	0.443	11,25
25299	9	0.032	0,81	0.515	13,08

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
25132	2	0.032	0,81	0.355	9,02
[^] 25133	3	0.032	0,81	0.376	9,55
[^] 25136	6	0.032	0,81	0.488	12,40
[^] 25139	9	0.053	1,35	0.611	15,52
25139/12	12	0.053	1,35	0.682	17,32



AVAILABILITY

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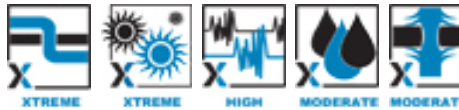
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Xtreme Performance In High / Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- Specially Formulated Ethylene Propylene Copolymer Jacket Provides Outstanding Service Life In Outdoor And Direct Burial Use
- Direct Burial In Wet Earth Without The Costly Use Of Conduit
- Five Times The Water Resistance Of Ordinary PVC Cable
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 3 APPLICATIONS:

- Inter-building Communications
- Satellite Communications Equipment
- Land Irrigation Systems
- Outdoor Security Systems
- Outdoor Scoreboards and Displays
- Pipeline Sensor Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 80° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 22 AWG Chart E Page 375, 20, 18, 16 AWG Chart D Page 375
- Jacket Color: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Jacket: Ethylene-Propylene Copolymer

SPECIFICATIONS

- RoHS Compliant
- CA Proposition 65 Compliant



AVAILABILITY

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22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35002	2	0.032	0,81	0.167	4,24
35003	3	0.032	0,81	0.175	4,44
35004	4	0.032	0,81	0.188	4,78
35006	6	0.032	0,81	0.218	5,54
35008	8	0.032	0,81	0.233	5,92
35010	10	0.032	0,81	0.267	6,78
35010/15	15	0.032	0,81	0.397	7,54

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

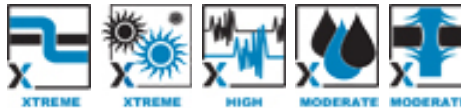
Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35052	2	0.032	0,81	0.207	5,26
35053	3	0.032	0,81	0.218	5,54
35054	4	0.032	0,81	0.236	5,99
35056	6	0.032	0,81	0.278	7,06
35058	8	0.032	0,81	0.300	7,62
35060	10	0.032	0,81	0.347	8,81
35060/15	15	0.032	0,81	0.389	9,88

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35062	2	0.032	0,81	0.225	5,72
35063	3	0.032	0,81	0.237	6,02
35064	4	0.032	0,81	0.258	6,55
35066	6	0.032	0,81	0.305	7,75
35068	8	0.032	0,81	0.330	8,38
35070	10	0.032	0,81	0.383	9,73
35070/15	15	0.032	0,81	0.430	10,92
35070/20	20	0.032	0,81	0.481	12,22

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35072	2	0.032	0,81	0.249	6,32
35073	3	0.032	0,81	0.263	6,68
35074	4	0.032	0,81	0.287	7,29
35076	6	0.032	0,81	0.341	8,66
35078	8	0.032	0,81	0.370	9,40
35080	10	0.032	0,81	0.431	10,95
35080/15	15	0.032	0,81	0.485	12,32



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- Direct Burial In Wet Earth Without The Costly Use Of Conduit
- Five Times The Water Resistance Of Ordinary PVC Cable
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 3 APPLICATIONS:

- Inter-building Communications
- Satellite Communications Equipment
- Land Irrigation Systems
- Outdoor Security Systems
- Outdoor Scoreboards and Displays
- Pipeline Sensor Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 80° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Color: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal In Size to Insulated Conductors of Cable
- Jacket: Ethylene-Propylene Copolymer

SPECIFICATIONS

- RoHS Compliant
- CA Proposition 65 Compliant



22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35192	2	0.032	0,81	0.171	4,34
^ 35193	3	0.032	0,81	0.179	4,55
35194	4	0.032	0,81	0.192	4,88
^ 35196	6	0.032	0,81	0.222	5,64
35198	8	0.032	0,81	0.237	6,02
35199/10	10	0.032	0,81	0.271	6,88
35199/15	15	0.032	0,81	0.301	7,65
35199/20	20	0.032	0,81	0.333	8,46
35199/25	25	0.032	0,81	0.371	9,42
35199/30	30	0.032	0,81	0.392	9,96
35199/40	40	0.032	0,81	0.436	11,07
35199/50	50	0.032	0,81	0.479	12,17
35199/60	60	0.032	0,81	0.521	13,23

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35462	2	0.032	0,81	0.211	5,36
35463	3	0.032	0,81	0.222	5,64
35464	4	0.032	0,81	0.240	6,10
35466	6	0.032	0,81	0.282	7,16
35468	8	0.032	0,81	0.304	7,72
35470	10	0.032	0,81	0.351	8,92
35470/15	15	0.032	0,81	0.393	9,98
35470/20	20	0.032	0,81	0.437	11,10
35470/25	25	0.032	0,81	0.491	12,47



AVAILABILITY

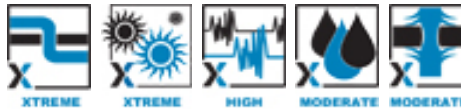
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(See Page 126 for Product Specifications)

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Europe/UK Telephone: +44 (0) 1932 772422 • Europe/UK Fax: +44 (0) 1932 772433





Xtreme Performance for Xtreme Environments

Xtreme Performance In High / Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- Specially Formulated Ethylene Propylene Copolymer Jacket Provides Outstanding Service Life In Outdoor And Direct Burial Use
- Direct Burial In Wet Earth Without The Costly Use Of Conduit
- Five Times The Water Resistance Of Ordinary PVC Cable
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System



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XTRA-GUARD[®] 3 APPLICATIONS:

- Inter-building Communications
- Satellite Communications Equipment
- Land Irrigation Systems
- Outdoor Security Systems
- Outdoor Scoreboards and Displays
- Pipeline Sensor Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 80° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Color: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal In Size to Insulated Conductors of Cable
- Jacket: Ethylene-Propylene Copolymer

SPECIFICATIONS

- RoHS Compliant
- CA Proposition 65 Compliant



AVAILABILITY

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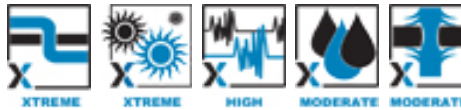


18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35382	2	0.032	0,81	0.229	5,82
35383	3	0.032	0,81	0.241	6,12
35384	4	0.032	0,81	0.262	6,65
35386	6	0.032	0,81	0.309	7,85
35388	8	0.032	0,81	0.334	8,48
35390	10	0.032	0,81	0.387	9,83
35390/15	15	0.032	0,81	0.434	11,02
35390/20	20	0.032	0,81	0.485	12,32
35390/25	25	0.053	1,35	0.587	14,91

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35362	2	0.032	0,81	0.253	6,43
35363	3	0.032	0,81	0.267	6,78
35364	4	0.032	0,81	0.291	7,39
35366	6	0.032	0,81	0.345	8,76
35368	8	0.032	0,81	0.374	9,50
35370	10	0.032	0,81	0.435	11,05
35370/15	15	0.032	0,81	0.489	12,42
35370/20	20	0.053	1,35	0.589	14,96
35370/25	25	0.053	1,35	0.659	16,74



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- Five Times The Water Resistance Of Ordinary PVC Cable
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System



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XTRA-GUARD[®] 3 APPLICATIONS:

- Inter-building Communications
- Satellite Communications Equipment
- Land Irrigation Systems
- Outdoor Security Systems
- Outdoor Scoreboards and Displays
- Pipeline Sensor Controls

CHARACTERISTICS Operating Temperature:

- -20° C to 80° C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Color: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal In Size to Insulated Conductors of Cable
- Jacket: Ethylene-Propylene Copolymer

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35430/2	2	0.063	1,60	0.355	9,02
35430/3	3	0.063	1,60	0.372	9,45
35430/5	5	0.063	1,60	0.434	11,02
35430/7	7	0.063	1,60	0.468	11,89
35430/9	9	0.063	1,60	0.537	13,64
35430/12	12	0.063	1,60	0.594	15,09

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35440/2	2	0.063	1,60	0.379	9,63
35440/3	3	0.063	1,60	0.398	10,11
35440/5	5	0.063	1,60	0.466	11,84
35440/7	7	0.063	1,60	0.504	12,80
35440/9	9	0.063	1,60	0.581	14,76
35440/12	12	0.063	1,60	0.644	16,36

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35450/2	2	0.063	1,60	0.409	10,39
35450/3	3	0.063	1,60	0.431	10,95
35450/5	5	0.063	1,60	0.507	12,88
35450/7	7	0.063	1,60	0.549	13,94
35450/9	9	0.063	1,60	0.635	16,13
35450/12	12	0.063	1,60	0.706	17,93

SPECIFICATIONS

- RoHS Compliant
- CA Proposition 65 Compliant



AVAILABILITY

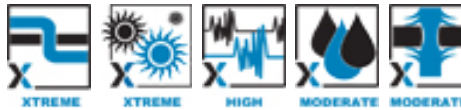
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- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 3 APPLICATIONS:

- Inter-building Communications
- Satellite Communications Equipment
- Land Irrigation Systems
- Outdoor Security Systems
- Outdoor Scoreboards and Displays
- Pipeline Sensor Controls

CHARACTERISTICS: Operating Temperature:

- -20° C to 80° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 22 AWG Chart E Page 375, 20, 18, 16 AWG Chart D Page 375
- Jacket Color: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD[®]**: Aluminum/Polyester/Aluminum Foil Facing with Stranded Tinned Copper Drain Wire Equal In Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Ethylene-Propylene Copolymer

SPECIFICATIONS

- RoHS Compliant
- CA Proposition 65 Compliant



AVAILABILITY

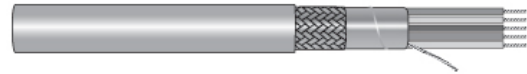
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22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35102	2	0.032	0,81	0.195	4,95
35103	3	0.032	0,81	0.203	5,16
35104	4	0.032	0,81	0.216	5,49
35106	6	0.032	0,81	0.246	6,25
35108	8	0.032	0,81	0.261	6,63
35110	10	0.032	0,81	0.295	7,49
35110/15	15	0.032	0,81	0.325	8,25

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35152	2	0.032	0,81	0.235	5,97
35153	3	0.032	0,81	0.246	6,25
35154	4	0.032	0,81	0.264	6,71
35156	6	0.032	0,81	0.306	7,77
35158	8	0.032	0,81	0.328	8,33
35160	10	0.032	0,81	0.375	9,52
35160/15	15	0.032	0,81	0.417	10,59

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35162	2	0.032	0,81	0.253	6,43
35162/1*	2	0.032	0,81	0.253	6,43
35163	3	0.032	0,81	0.265	6,73
35163/1*	3	0.032	0,81	0.265	6,73
35164	4	0.032	0,81	0.286	7,26
35166	6	0.032	0,81	0.333	8,46
35168	8	0.032	0,81	0.358	9,09
35170	10	0.032	0,81	0.411	10,44
35170/15	15	0.032	0,81	0.458	11,63

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35172	2	0.032	0,81	0.277	7,04
35172/1*	2	0.032	0,81	0.277	7,04
35173	3	0.032	0,81	0.291	7,39
35173/1*	3	0.032	0,81	0.291	7,39
35174	4	0.032	0,81	0.315	8,00
35176	6	0.032	0,81	0.369	9,37
35178	8	0.032	0,81	0.398	10,11
35180	10	0.032	0,81	0.459	11,66
35180/15	15	0.032	0,81	0.513	13,03

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XTRA-GUARD[®] 3 APPLICATIONS:

- Inter-building Communications
- Satellite Communications Equipment
- Land Irrigation Systems
- Outdoor Security Systems
- Outdoor Scoreboards and Displays
- Pipeline Sensor Controls

CHARACTERISTICS: Operating Temperature:

- -20° C to 80° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart B Page 374, 20, 18 AWG Chart A Page 374
- Jacket Color: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal In Size to Insulated Conductors of Cable
- Jacket: Ethylene-Propylene Copolymer

SPECIFICATIONS

- RoHS Compliant
- CA Proposition 65 Compliant



AVAILABILITY

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24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35491	1	0.032	0,81	0.159	4,04
35492	2	0.032	0,81	0.215	5,46
35493	3	0.032	0,81	0.227	5,77
35494	4	0.032	0,81	0.246	6,25

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

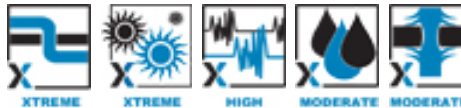
Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35481	1	0.032	0,81	0.171	4,34
35482	2	0.032	0,81	0.235	5,97
35483	3	0.032	0,81	0.248	6,30
35484	4	0.032	0,81	0.269	6,83
35485	5	0.032	0,81	0.283	7,44

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35452	2	0.032	0,81	0.301	7,65
35453	3	0.032	0,81	0.319	8,10

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.017" (0,43mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35372	2	0.032	0,81	0.330	8,38
35373	3	0.032	0,81	0.350	8,89
35376	6	0.032	0,81	0.462	11,73



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XTRA-GUARD[®] 3 APPLICATIONS:

- Inter-building Communications
- Satellite Communications Equipment
- Land Irrigation Systems
- Outdoor Security Systems
- Outdoor Scoreboards and Displays
- Pipeline Sensor Controls

CHARACTERISTICS:

Operating Temperature:

- -20° C to 80° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart B Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Premium PVC
- **SUPRASHIELD:** Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Ethylene-Propylene Copolymer

SPECIFICATIONS

- RoHS Compliant
- CA Proposition 65 Compliant

24 AWG (0,23mm ²), 7/32 (7,020mm), Insulation Thickness: 0.010" (0,25mm)					
Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35272	2	0.032	0,81	0.239	6,07

22 AWG (0,35mm ²), 7/30 (7,025mm), Insulation Thickness: 0.010" (0,25mm)					
Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
35121	1	0.032	0,81	0.195	4,95
35122	2	0.032	0,81	0.259	6,58
35123	3	0.032	0,81	0.272	6,91
35124	4	0.032	0,81	0.293	7,44
35125	5	0.032	0,81	0.317	8,05
35126	6	0.032	0,81	0.342	8,68
35129	9	0.032	0,81	0.393	9,98



AVAILABILITY

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Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
- Three Times The Low Temperature Flexibility Of Ordinary PVC
- High Resistance To Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Pennsylvania Bureau Deep Mine Safety Approved For Mine-Wide Monitoring Systems
- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS:

Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant



24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45012	2	0.042	1,07	0.200	5,08
45013	3	0.042	1,07	0.209	5,31
45014	4	0.042	1,07	0.224	5,69
45016	6	0.042	1,07	0.257	6,53
45018	8	0.042	1,07	0.275	6,98
45020	10	0.042	1,07	0.312	7,92
45020/15	15	0.042	1,07	0.347	8,81
45020/20	20	0.042	1,07	0.383	9,73
45020/25	25	0.042	1,07	0.424	10,77

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45002	2	0.045	1,14	0.218	5,54
45003	3	0.045	1,14	0.228	5,79
45004	4	0.045	1,14	0.244	6,20
45006	6	0.045	1,14	0.281	7,14
45008	8	0.045	1,14	0.301	7,65
45010	10	0.045	1,14	0.342	8,69
45010/15	15	0.045	1,14	0.380	9,65
45010/20	20	0.055	1,40	0.441	11,20
45010/25	25	0.055	1,40	0.486	12,34

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45052	2	0.045	1,14	0.234	5,94
45053	3	0.045	1,14	0.245	6,22
45054	4	0.045	1,14	0.264	6,71
45056	6	0.045	1,14	0.306	7,77
45058	8	0.045	1,14	0.328	8,33
45060	10	0.045	1,14	0.374	9,50
45060/15	15	0.055	1,40	0.437	11,10
45060/20	20	0.055	1,40	0.483	12,27
45060/25	25	0.055	1,40	0.534	13,56

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45052	2	0.045	1,14	0.234	5,94
45053	3	0.045	1,14	0.245	6,22
45054	4	0.045	1,14	0.264	6,71
45056	6	0.045	1,14	0.306	7,77
45058	8	0.045	1,14	0.328	8,33
45060	10	0.045	1,14	0.374	9,50
45060/15	15	0.055	1,40	0.437	11,10
45060/20	20	0.055	1,40	0.483	12,27
45060/25	25	0.055	1,40	0.534	13,56



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 600 - Highly Flexible, Irradiated Elastomer
(See Page 131 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon
(See Page 129 for Product Specifications)





Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:



18 AWG (0.81mm²), 16/30 (16x0.25mm), Insulation Thickness: 0.016" (0.41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45062	2	0.045	1.14	0.252	6.40
45062/1*	2	0.045	1.14	0.252	6.40
45063	3	0.045	1.14	0.264	6.71
45063/1*	3	0.045	1.14	0.264	6.71
45064	4	0.045	1.14	0.285	7.24
45066	6	0.045	1.14	0.333	8.46
45068	8	0.045	1.14	0.358	9.09
45070	10	0.055	1.40	0.430	10.92
45070/15	15	0.055	1.40	0.479	12.17
45070/20	20	0.055	1.40	0.530	13.46
45070/25	25	0.055	1.40	0.588	14.94

16 AWG (1.23mm²), 19/0.0117 (19x0.29mm), Insulation Thickness: 0.016" (0.41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45072	2	0.045	1.14	0.276	7.01
45072/1*	2	0.045	1.14	0.276	7.01
45073	3	0.045	1.14	0.290	7.37
45073/1*	3	0.045	1.14	0.290	7.37
45074	4	0.045	1.14	0.314	7.98
45076	6	0.045	1.14	0.369	9.37
45078	8	0.055	1.40	0.418	10.62
45080	10	0.055	1.40	0.478	12.14
45080/15	15	0.055	1.40	0.534	13.56
45080/20	20	0.055	1.40	0.593	15.06
45080/25	25	0.065	1.65	0.680	17.27

XTRA-GUARD[®] 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS:

Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant



AVAILABILITY

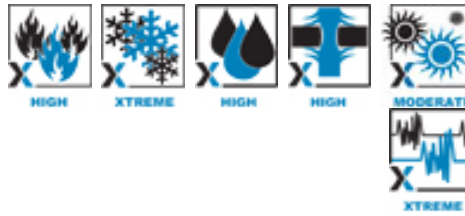
- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 600 - Highly Flexible, Irradiated Elastomer
 (See Page 131 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]
 (See Page 129 for Product Specifications)





XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
- Three Times The Low Temperature Flexibility Of Ordinary PVC
- High Resistance To Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Pennsylvania Bureau Deep Mine Safety Approved For Mine-Wide Monitoring Systems
- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD®, Alpha's Proprietary, High Performance Shielding System



XTRA-GUARD® 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS: Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

PRODUCT DESCRIPTION:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20238
- UL Type TC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85
- RoHS Compliant

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" 0,81mm

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45422	2	0.055	1,40	0.336	8,53
45423	3	0.055	1,40	0.353	8,97
45424	4	0.055	1,40	0.383	9,73
45425	5	0.055	1,40	0.416	10,57
45427	7	0.055	1,40	0.450	11,43
45429	9	0.065	1,40	0.519	13,18

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" 0,81mm

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45432	2	0.055	1,40	0.360	9,14
45433	3	0.055	1,40	0.379	9,63
45434	4	0.055	1,40	0.412	10,46
45435	5	0.055	1,40	0.448	11,38
45437	7	0.055	1,40	0.486	12,34
45439	9	0.065	1,65	0.583	14,81

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" 0,81mm

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45442	2	0.055	1,40	0.390	9,91
45443	3	0.055	1,40	0.412	10,46
45444	4	0.055	1,40	0.448	11,38
45445	5	0.055	1,40	0.489	12,42
45447	7	0.065	1,65	0.551	14,00



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT® TUBING RECOMMENDATION

FIT® - 600 - Highly Flexible, Irradiated Elastomer
(See Page 131 for Product Specifications)

FIT® - 400 - Temperature/Chemical Resistant FEP Teflon®
(See Page 129 for Product Specifications)





Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
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- High Resistance To Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Pennsylvania Bureau Deep Mine Safety Approved For Mine-Wide Monitoring Systems
- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS

Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL AWM Style 20237
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant



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24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45092	2	0.042	1,07	0.204	5,18
45093	3	0.042	1,07	0.213	5,41
45094	4	0.042	1,07	0.228	5,79
[^] 45096	6	0.042	1,07	0.261	6,63
45098	8	0.042	1,07	0.279	7,09
45100	10	0.042	1,07	0.316	8,03
45100/15	15	0.042	1,07	0.351	8,92
45100/20	20	0.042	1,07	0.387	9,83
45100/25	25	0.042	1,07	0.428	10,87

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45192	2	0.045	1,14	0.222	5,64
[^] 45193	3	0.045	1,14	0.232	5,89
45194	4	0.045	1,14	0.248	6,30
45196	6	0.045	1,14	0.285	7,24
45198	8	0.045	1,14	0.305	7,75
45199/10	10	0.045	1,14	0.346	8,79
45199/15	15	0.055	1,40	0.404	10,26
45199/20	20	0.055	1,40	0.445	11,30
45199/25	25	0.055	1,40	0.490	12,45

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
[^] 45462	2	0.045	1,14	0.238	6,05
[^] 45463	3	0.045	1,14	0.249	6,32
[^] 45464	4	0.045	1,14	0.268	6,81
[^] 45466	6	0.045	1,14	0.310	7,87
[^] 45468	8	0.045	1,14	0.332	8,43
45470	10	0.045	1,14	0.378	9,60
45470/15	15	0.055	1,40	0.441	11,20
[^] 45470/20	20	0.055	1,40	0.487	12,37
45470/25	25	0.055	1,40	0.538	13,67
[^] 45470/40	40	0.065	1,65	0.650	16,51



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 600 - Highly Flexible, Irradiated Elastomer

(See Page 131 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]

(See Page 129 for Product Specifications)





Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
- Three Times The Low Temperature Flexibility Of Ordinary PVC
- High Resistance To Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Pennsylvania Bureau Deep Mine Safety Approved For Mine-Wide Monitoring Systems
- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD[®], Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS

Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant



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18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45382	2	0.045	1,14	0.256	6,50
45382/1*	2	0.045	1,14	0.256	6,50
45383	3	0.045	1,14	0.268	6,81
45383/1*	3	0.045	1,14	0.268	6,81
45384	4	0.045	1,14	0.289	7,34
45386	6	0.045	1,14	0.337	8,56
45388	8	0.045	1,14	0.362	9,19
45390	10	0.055	1,40	0.434	11,02
45390/15	15	0.055	1,40	0.483	12,27
45390/20	20	0.055	1,40	0.534	13,56
45390/25	25	0.055	1,40	0.592	15,04
45390/30	30	0.065	1,65	0.645	16,38

16 AWG (1,23mm²), 19/0,0117 (19x0,29mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^ 45362	2	0.045	1,14	0.280	7,11
^ 45362/1*	2	0.045	1,14	0.280	7,11
^ 45363	3	0.045	1,14	0.294	7,47
^ 45363/1*	3	0.045	1,14	0.294	7,47
45364	4	0.045	1,14	0.318	8,08
45366	6	0.045	1,14	0.373	9,47
45368	8	0.055	1,40	0.422	10,72
45370	10	0.055	1,40	0.482	12,24
45370/15	15	0.055	1,40	0.538	13,67
45370/20	20	0.055	1,40	0.597	15,16
45370/25	25	0.065	1,65	0.684	17,37



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

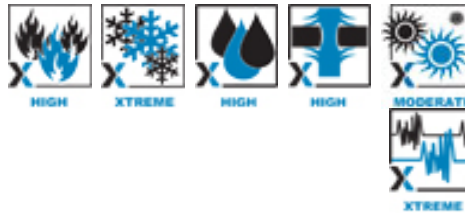
FIT[®] - 600 - Highly Flexible, Irradiated Elastomer

(See Page 131 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]

(See Page 129 for Product Specifications)





Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
- Three Times The Low Temperature Flexibility Of Ordinary PVC
- High Resistance To Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Pennsylvania Bureau Deep Mine Safety Approved For Mine-Wide Monitoring Systems
- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]**, Alpha's Proprietary, High Performance Shielding System



XTRA-GUARD[®] 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS: Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 600 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20238
- UL Type TC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85
- RoHS Compliant

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45430/2	2	0.055	1.40	0.340	8,64
45430/3	3	0.055	1.40	0.357	9,07
45430/4	4	0.055	1.40	0.387	9,83
45430/5	5	0.055	1.40	0.420	10,67
45430/7	7	0.055	1.40	0.454	11,53
45430/9	9	0.065	1,65	0.543	13,79
45430/12	12	0.065	1,65	0.599	15,21
45430/15	15	0.065	1,65	0.651	16,54
45430/25	25	0.065	1,65	0.804	20,42

16 AWG (1,23mm²), 19/0.0117 (19x0,29mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45440/2	2	0.055	1,40	0.364	9,25
45440/3	3	0.055	1,40	0.383	9,73
45440/5	5	0.055	1,40	0.452	11,48
45440/7	7	0.055	1,40	0.490	12,45
45440/9	9	0.065	1,65	0.587	14,91
45440/12	12	0.065	1,65	0.649	16,48

14 AWG (2,08mm²), 41/30 (41x0,25mm), Insulation Thickness: 0.032" (0,81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45450/2	2	0.055	1,40	0.394	10,01
45450/3	3	0.055	1,40	0.416	10,57
45450/4	4	0.055	1,40	0.452	11,48
45450/5	5	0.055	1,40	0.493	12,52
45450/7	7	0.065	1,65	0.555	14,10
45450/9	9	0.065	1,65	0.642	16,31
45450/12	12	0.065	1,65	0.711	18,06
45450/15	15	0.065	1,65	0.775	19,68
45450/19	19	0.085	2,16	0.869	22,07



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
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- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 600 - Highly Flexible, Irradiated Elastomer
(See Page 131 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]
(See Page 129 for Product Specifications)

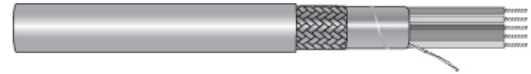




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Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:



24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45112	2	0.042	1,07	0.228	5,79
45113	3	0.042	1,07	0.237	6,02
45114	4	0.042	1,07	0.252	6,40
45116	6	0.042	1,07	0.285	7,24
45118	8	0.042	1,07	0.303	7,70
45120	10	0.042	1,07	0.340	8,64
45120/15	15	0.042	1,07	0.375	9,52
45120/20	20	0.042	1,07	0.411	10,44
45120/25	25	0.042	1,07	0.452	11,48

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45102	2	0.045	1,14	0.246	6,25
45103	3	0.045	1,14	0.256	6,50
45104	4	0.045	0,81	0.272	6,91
45106	6	0.045	1,14	0.309	7,85
45108	8	0.045	1,14	0.329	8,36
45110	10	0.045	1,14	0.370	9,40
45110/15	15	0.055	1,40	0.428	10,87
45110/20	20	0.055	1,40	0.469	11,91
45110/25	25	0.055	1,40	0.514	13,06

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45152	2	0.045	1,14	0.262	6,65
45153	3	0.045	1,14	0.273	6,93
45154	4	0.045	1,14	0.292	7,42
45156	6	0.045	1,14	0.334	8,48
45158	8	0.045	1,14	0.356	9,04
45160	10	0.055	1,40	0.422	10,72
45160/15	15	0.055	1,40	0.465	11,81
45160/20	20	0.055	1,40	0.511	12,98
45160/25	25	0.055	1,40	0.562	14,27

XTRA-GUARD[®] 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS: Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: 24, 22 AWG Chart E Page 375, 20 AWG Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- **SUPRASHIELD:** Aluminum/Polyester/Aluminum with Stranded Tinned Copper Drain Wire Equal in Size to Insulated conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 600 - Highly Flexible, Irradiated Elastomer

(See Page 131 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]

(See Page 129 for Product Specifications)

Web Site: www.alphawire.com
 Email: info@alphawire.com

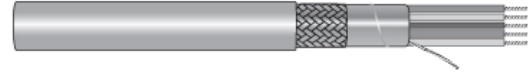
Toll Free: 1-800-52 ALPHA • Telephone: 908-925-8000 • Fax: 908-925-6923
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Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:



18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^A 45162	2	0.045	1,14	0.280	7,11
^A 45162/1*	2	0.045	1,14	0.280	7,11
45163	3	0.045	1,14	0.292	7,42
45163/1*	3	0.045	1,14	0.292	7,42
45164	4	0.045	1,14	0.313	7,95
45166	6	0.045	1,14	0.361	9,17
45168	8	0.055	1,40	0.406	10,31
45170	10	0.055	1,40	0.458	11,63
45170/15	15	0.055	1,40	0.507	12,88
45170/20	20	0.055	1,40	0.558	14,17
45170/25	25	0.065	1,65	0.636	16,15
45170/30	30	0.065	1,65	0.675	17,14

16 AWG (1,23mm²), 19/0,0117 (19x0,29mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45172	2	0.045	1,14	0.304	7,72
45172/1*	2	0.045	1,14	0.304	7,72
45173	3	0.045	1,14	0.318	8,08
45173/1*	3	0.045	1,14	0.318	8,08
^A 45174	4	0.045	1,14	0.342	8,69
45176	6	0.055	1,40	0.417	10,59
45178	8	0.055	1,40	0.446	11,33
45180	10	0.055	1,40	0.506	12,85
45180/15	15	0.055	1,40	0.562	14,27
45180/20	20	0.065	1,65	0.641	16,28
45180/25	25	0.065	1,65	0.714	18,14

XTRA·GUARD[®] 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS:

Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart D Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- **SUPRASHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant



AVAILABILITY

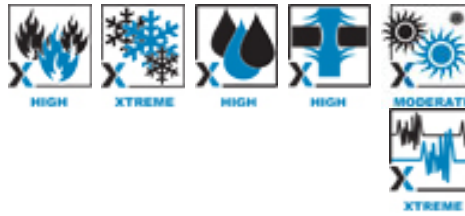
- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 600 - Highly Flexible, Irradiated Elastomer
 (See Page 131 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]
 (See Page 129 for Product Specifications)





Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
- Three Times The Low Temperature Flexibility Of Ordinary PVC
- High Resistance To Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Pennsylvania Bureau Deep Mine Safety Approved For Mine-Wide Monitoring Systems
- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD[®], Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS: Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 600 Volt

Color Description:

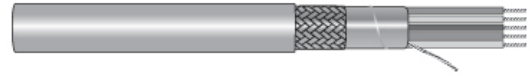
- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- **SUPRASHIELD**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20238
- UL Type TC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant



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18 AWG (0.81mm²), 16/30 (16x0.25mm), Insulation Thickness: 0.032" (0.81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45522	2	0.055	1.40	0.364	9.25
45523	3	0.055	1.40	0.381	9.68
45524	4	0.055	1.40	0.411	10.44
45525	5	0.055	1.40	0.444	11.28
45527	7	0.055	1.40	0.478	12.14
45529	9	0.065	1.65	0.567	14.40
45529/12	12	0.065	1.65	0.623	15.82

16 AWG (1.23mm²), 19/0.0117 (0.29mm), Insulation Thickness: 0.032" (0.81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45532	2	0.055	1.40	0.388	9.86
45533	3	0.055	1.40	0.407	10.34
45534	4	0.055	1.40	0.440	11.18
45535	5	0.055	1.40	0.476	12.09
45537	7	0.055	1.40	0.514	13.06
45539	9	0.065	1.65	0.611	15.52
45539/12	12	0.065	1.65	0.679	17.25

14 AWG (2.08mm²), 41/30 (41x0.25mm), Insulation Thickness: 0.032" (0.81mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45542	2	0.055	1.40	0.418	10.62
45543	3	0.055	1.40	0.440	11.18
45544	4	0.055	1.40	0.476	12.09
45545	5	0.065	1.65	0.517	13.13
45547	7	0.065	1.65	0.579	14.71
45549	9	0.065	1.65	0.672	17.07



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 600 - Highly Flexible, Irradiated Elastomer
(See Page 131 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]
(See Page 129 for Product Specifications)





Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
- Three Times The Low Temperature Flexibility Of Ordinary PVC
- High Resistance To Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Pennsylvania Bureau Deep Mine Safety Approved For Mine-Wide Monitoring Systems
- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD®, Alpha's Proprietary, High Performance Shielding System



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18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45031	1	0.045	1,14	0.252	6,40
45032	2	0.045	1,14	0.353	8,97

XTRA-GUARD® 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS:

Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart B Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
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FIT® TUBING RECOMMENDATION

FIT® - 600 - Highly Flexible, Irradiated Elastomer
(See Page 131 for Product Specifications)

FIT® - 400 - Temperature/Chemical Resistant FEP Teflon®
(See Page 129 for Product Specifications)





Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
- Three Times The Low Temperature Flexibility Of Ordinary PVC
- High Resistance To Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Pennsylvania Bureau Deep Mine Safety Approved For Mine-Wide Monitoring Systems
- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD[®], Alpha's Proprietary, High Performance Shielding System



XTRA-GUARD[®] 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS:

Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart B Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- Shield : Aluminum/Polyester/Aluminum Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45491	1	0.042	1,07	0.204	5,18
45492	2	0.042	1,07	0.276	7,01
45493	3	0.042	1,07	0.290	7,37
45494	4	0.042	1,07	0.314	7,98
45495	5	0.042	1,07	0.341	8,66
45496	6	0.042	0,81	0.370	9,40
45499	9	0.042	1,07	0.428	10,87
45499/11	11	0.042	1,07	0.459	11,66
45499/15	15	0.042	1,07	0.516	13,11
45499/27	27	0.053	1,35	0.679	17,25

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45489/27	27	0.065	1,65	0.764	19,41
45489/51	51	0.085	2,16	1.017	25,83
45481	1	0.045	1,14	0.222	5,64
45482	2	0.045	1,14	0.301	7,65
45483	3	0.045	1,14	0.317	8,05
45484	4	0.045	1,14	0.344	8,74
45485	5	0.045	1,14	0.374	9,50
45486	6	0.055	1,40	0.425	10,80
45489	9	0.055	1,40	0.489	12,42
45489/11	11	0.055	1,40	0.525	13,34
45489/15	15	0.055	1,40	0.588	14,94



AVAILABILITY

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FIT[®] TUBING RECOMMENDATION

FIT[®] - 600 - Highly Flexible, Irradiated Elastomer
 (See Page 131 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]
 (See Page 129 for Product Specifications)





Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
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- Pennsylvania Bureau Deep Mine Safety Approved For Mine-Wide Monitoring Systems
- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD[®], Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Military Electronic Applications
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS:

Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart B Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant



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20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45451	1	0.045	1,14	0.238	6,05
45452	2	0.045	1,14	0.328	8,33
^ 45453	3	0.045	1,14	0.346	8,79
45454	4	0.045	1,14	0.376	9,55
^ 45455	5	0.055	1,40	0.430	10,92
45456	6	0.055	1,40	0.465	11,81
45459	9	0.055	1,40	0.537	13,64
45459/11	11	0.055	1,40	0.577	14,66
45459/15	15	0.065	1,65	0.668	16,97
45459/19	19	0.065	1,65	0.713	18,11
45459/27	27	0.085	2,16	0.885	22,48

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^ 45371	1	0.045	1,14	0.256	6,50
45372	2	0.045	1,14	0.357	9,07
45373	3	0.045	1,14	0.378	9,60
45374	4	0.055	1,40	0.432	10,97
45375	5	0.055	1,40	0.470	11,94
45376	6	0.055	1,40	0.510	12,95
45379	9	0.055	1,40	0.591	15,01
45379/11	11	0.065	1,65	0.656	16,66
45379/15	15	0.065	1,65	0.736	18,69
45379/19	19	0.065	1,65	0.787	19,99



AVAILABILITY

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FIT[®] TUBING RECOMMENDATION

FIT[®] - 600 - Highly Flexible, Irradiated Elastomer
 (See Page 131 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]
 (See Page 129 for Product Specifications)





Xtreme Performance for Xtreme Environments

Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
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- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD®, Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD® 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS

Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart B Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- **SUPRASHIELD®**: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- ANSI/UL-1581 Vertical Tray Flame Test
- **Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85**
- RoHS Compliant



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24 AWG (0,23mm²), 7/32 (7x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45271	1	0.042	1,07	0.228	5,79
^ 45272	2	0.042	1,07	0.300	7,62
45273	3	0.042	1,07	0.314	7,98
45274	4	0.042	1,07	0.338	8,59
45275	5	0.042	1,07	0.365	9,27
45276	6	0.042	1,07	0.394	10,01
45279	9	0.042	1,07	0.452	11,48
45279/11	11	0.042	1,07	0.483	12,27
45279/15	15	0.042	1,07	0.540	13,72
45279/19	19	0.053	1,35	0.598	15,19
45279/27	27	0.053	1,35	0.709	18,01

22 AWG (0,35mm²), 7/32 (7x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^ 45121	1	0.045	1,14	0.246	6,25
45122	2	0.045	1,14	0.325	8,25
^ 45123	3	0.045	1,14	0.341	8,66
45124	4	0.045	1,14	0.368	9,35
^ 45125	5	0.055	1,40	0.418	10,62
45126	6	0.055	1,40	0.449	11,40
45129	9	0.055	1,40	0.513	13,03
45129/11	11	0.055	1,40	0.549	13,94
45129/15	15	0.065	1,65	0.632	16,05
45129/19	19	0.065	1,65	0.677	17,20



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT® TUBING RECOMMENDATION

FIT® - 600 - Highly Flexible, Irradiated Elastomer

(See Page 131 for Product Specifications)

FIT® - 400 - Temperature/Chemical Resistant FEP Teflon

(See Page 129 for Product Specifications)





Xtreme Performance In High/Low Temperatures With High Resistance To Oils, Chemicals, Solvents, Fuels And Where Low Halogenated Cables Are Required

XTREME PERFORMANCE BENEFITS:

- High Performance TPE (Thermoplastic Elastomer) Insulation And Jacket For Superior Cable Performance In Both High And Low Temperature Applications From Cold At -50°C (-58°F) To Heat at +125°C (257°F)
- Three Times The Low Temperature Flexibility Of Ordinary PVC
- High Resistance To Oils, Solvents, Chemicals And Fuels
- Outstanding Ultraviolet Light Stability In All Jacket Colors
- Pennsylvania Bureau Deep Mine Safety Approved For Mine-Wide Monitoring Systems
- UL Rated Type TC 600 Volt And Type PLTC 300 Volt For Cable Tray Applications
- Low Halogen Content For Safety In Confined Spaces
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD®, Alpha's Proprietary, High Performance Shielding System



XTRA-GUARD® 4 APPLICATIONS:

- Wood, Paper, Pulp, Plant Operations
- Mining Instruments and Controls
- Mass Transit Systems
- Food and Beverage Plants
- Petrochemical Process Controls
- Arctic Pipeline Controls

CHARACTERISTICS:

Operating Temperature:

- -50° C to 125° C

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart B Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded Thermoplastic Elastomer
- SUPRASHIELD®: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: Thermoplastic Elastomer

SPECIFICATIONS

- UL AWM Style 20237
- UL Type PLTC
- CSA AWM I A/B II A/B FT1
- Passes 210,000 BTU Flame Test
- Pennsylvania Bureau of Deep Mine Safety Approved P-MWMS-1-85
- RoHS Compliant

20 AWG (0,56mm²), 7/28 (7,0,32mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45291	1	0.045	1,14	0.262	6,65
45292	2	0.045	1,14	0.352	8,94
45293	3	0.045	1,14	0.370	9,40
45294	4	0.055	1,40	0.420	10,67
45295	5	0.055	1,40	0.454	11,53
45296	6	0.055	1,40	0.489	12,42
45299	9	0.055	1,40	0.561	14,25
45299/11	11	0.065	1,65	0.621	15,77
45299/15	15	0.065	1,65	0.698	17,73
45299/19	19	0.065	1,65	0.743	18,87

18 AWG (0,81mm²), 16/30 (16x0,25mm), Insulation Thickness: 0.016" (0,41mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
45131	1	0.045	1,14	0.280	7,11
45132	2	0.045	1,14	0.381	9,68
45133	3	0.055	1,40	0.422	10,72
45134	4	0.055	1,40	0.456	11,58
45135	5	0.055	1,40	0.494	12,55
45136	6	0.055	1,40	0.534	13,56
45139	9	0.065	1,65	0.635	16,13
45139/11	11	0.065	1,65	0.686	17,42
45139/15	15	0.065	1,65	0.766	19,46



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT® TUBING RECOMMENDATION

FIT® - 600 - Highly Flexible, Irradiated Elastomer
(See Page 131 for Product Specifications)

FIT® - 400 - Temperature/Chemical Resistant FEP Teflon®
(See Page 129 for Product Specifications)





Xtreme Performance In Unusually Demanding Environments! Impervious To Any Known Oil, Solvent, Chemical Or Fuel. Outstanding For High Temperature Applications



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Xtreme Performance Benefits:

- FEP Teflon[®] Insulation And Jacket For Xtreme Performance At Temperatures From -80°C (-112°F) To +200°C (392°F)
- Impervious To Oils, Solvents, Chemicals, Fuels And Acids
- FDA Recognized As Food / Medical Grade (Can Be Sterilized)
- Suitable For Use In Class 1 Clean Rooms
- 20% - 30% Smaller Diameter Than Conventional Cables
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]** Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 5 APPLICATIONS:

- Food & Beverage Wash-Down
- Clean Room Environments
- Food / Medical Grade Applications
- Turbine Generators
- Chemical Processing
- Military Electronics
- Mining Instrumentation

CHARACTERISTICS:

Operating Temperature:

- -80° C to 200° C (UL, CSA 150°C)

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded FEP Teflon[®]
- Core Wrap: High Temperature Tape
- Jacket: FEP Teflon[®]

SPECIFICATIONS:

- UL Type CMP
- AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- **Pennsylvania Bureau of Deep Mine Safety Approved**
- RoHS Compliant
- CA Proposition 65 Compliant

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55012	2	0.027	0.69	0.148	3.76
55013	3	0.027	0.69	0.155	3.94
55014	4	0.027	0.69	0.166	4.22
55016	6	0.027	0.69	0.193	4.90
55019	9	0.027	0.69	0.230	5.59
55020/12	12	0.027	0.69	0.243	6.17

22 AWG (0,35mm²), 7/32 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55002	2	0.027	0.69	0.160	4.06
55003	3	0.027	0.69	0.168	4.27
55004	4	0.027	0.69	0.181	4.60
55006	6	0.027	0.69	0.211	5.36
55009	9	0.027	0.69	0.242	6.15
55010/12	12	0.027	0.69	0.268	6.81

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55052	2	0.027	0.69	0.176	4.47
55053	3	0.027	0.69	0.185	4.70
55054	4	0.027	0.69	0.200	5.08
55056	6	0.027	0.69	0.235	5.97
55059	9	0.027	0.69	0.271	6.88
55060/12	12	0.027	0.69	0.301	7.65



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 650 - Chemical and Temperature Resistant Irradiated Viton[®]
(See Page 132 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]
(See Page 129 for Product Specifications)





Xtreme Performance In Unusually Demanding Environments! Impervious To Any Known Oil, Solvent, Chemical Or Fuel. Outstanding For High Temperature Applications



Xtreme Performance Benefits:

- FEP Teflon[®] Insulation And Jacket For Xtreme Performance At Temperatures From -80°C (-112°F) To +200°C (392°F)
- Impervious To Oils, Solvents, Chemicals, Fuels And Acids
- FDA Recognized As Food / Medical Grade (Can Be Sterilized)
- Suitable For Use In Class 1 Clean Rooms
- 20% - 30% Smaller Diameter Than Conventional Cables
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]** Alpha's Proprietary, High Performance Shielding System

18 AWG (0,90mm²), 7/26 (7x0,40mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55062	2	0.027	0.69	0.196	4.98
55063	3	0.027	0.69	0.207	5.26
55064	4	0.027	0.69	0.225	5.72
55066	6	0.027	0.69	0.265	6.73
55069	9	0.027	0.69	0.307	7.80
55070/12	12	0.027	0.69	0.343	8.71

XTRA-GUARD[®] 5 APPLICATIONS:

- Food & Beverage Wash-Down
- Clean Room Environments
- Food / Medical Grade Applications
- Turbine Generators
- Chemical Processing
- Military Electronics
- Mining Instrumentation

16 AWG (1,23mm²), 19/0,0117(19x0,29mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55072	2	0.027	0.69	0.218	5.54
55073	3	0.027	0.69	0.230	5.84
55074	4	0.027	0.69	0.251	6.38
55076	6	0.027	0.69	0.298	7.57
55079	9	0.027	0.69	0.347	8.81
55080/12	12	0.027	0.69	0.388	9.86

CHARACTERISTICS: Operating Temperature:

- -80° C to 200° C (UL, CSA 150° C)

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded FEP Teflon[®]
- Core Wrap: High Temperature Tape
- Jacket: FEP Teflon[®]

SPECIFICATIONS:

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- **Pennsylvania Bureau of Deep Mine Safety Approved**
- RoHS Compliant
- CA Proposition 65 Compliant



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 650 - Chemical and Temperature Resistant Irradiated Viton[®]

(See Page 132 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]

(See Page 129 for Product Specifications)





Xtreme Performance In Unusually Demanding Environments! Impervious To Any Known Oil, Solvent, Chemical Or Fuel. Outstanding For High Temperature Applications



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Xtreme Performance Benefits:

- FEP Teflon[®] Insulation And Jacket For Xtreme Performance At Temperatures From -80°C (-112°F) To +200°C (392°F)
- Impervious To Oils, Solvents, Chemicals, Fuels And Acids
- FDA Recognized As Food / Medical Grade (Can Be Sterilized)
- Suitable For Use In Class 1 Clean Rooms
- 20% - 30% Smaller Diameter Than Conventional Cables
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]** Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 5 APPLICATIONS:

- Food & Beverage Wash-Down
- Clean Room Environments
- Food / Medical Grade Applications
- Turbine Generators
- Chemical Processing
- Military Electronics
- Mining Instrumentation

CHARACTERISTICS: Operating Temperature:

- -80° C to 200° C (UL, CSA 150° C)

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded FEP Teflon[®]
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: FEP Teflon[®]

SPECIFICATIONS:

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- **Pennsylvania Bureau of Deep Mine Safety Approved**
- RoHS Compliant
- CA Proposition 65 Compliant

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55092	2	0.027	0.69	0.154	3.91
55093	3	0.027	0.69	0.161	4.09
55094	4	0.027	0.69	0.172	4.37
55096	6	0.027	0.69	0.199	5.05
55099	9	0.027	0.69	0.226	5.74
55100/12	12	0.027	0.69	0.249	6.32

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^A 55192	2	0.027	0.69	0.166	4.22
55193	3	0.027	0.69	0.174	4.42
55194	4	0.027	0.69	0.187	4.75
55196	6	0.027	0.69	0.217	5.51
55199	9	0.027	0.69	0.248	6.30
55199/12	12	0.027	0.69	0.274	6.96

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55462	2	0.027	0.69	0.182	4.62
55463	3	0.027	0.69	0.191	4.85
55464	4	0.027	0.69	0.206	5.23
55466	6	0.027	0.69	0.241	6.12
55469	9	0.027	0.69	0.277	7.04
55470/12	12	0.027	0.69	0.307	7.80



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 650 - Chemical and Temperature Resistant Irradiated Viton[®]

(See Page 132 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]

(See Page 129 for Product Specifications)

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Xtreme Performance In Unusually Demanding Environments! Impervious To Any Known Oil, Solvent, Chemical Or Fuel. Outstanding For High Temperature Applications



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Xtreme Performance Benefits:

- FEP Teflon[®] Insulation And Jacket For Xtreme Performance At Temperatures From -80°C (-112°F) To +200°C (392°F)
- Impervious To Oils, Solvents, Chemicals, Fuels And Acids
- FDA Recognized As Food / Medical Grade (Can Be Sterilized)
- Suitable For Use In Class 1 Clean Rooms
- 20% - 30% Smaller Diameter Than Conventional Cables
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]** Alpha's Proprietary, High Performance Shielding System

18 AWG (0,90mm²), 7/26 (7x0,40mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55382	2	0.027	0.69	0.202	5.13
55383	3	0.027	0.69	0.213	5.41
55384	4	0.027	0.69	0.231	5.87
55386	6	0.027	0.69	0.271	6.88
55389	9	0.027	0.69	0.313	7.95
55390/12	12	0.027	0.69	0.349	8.86

XTRA-GUARD[®] 5 APPLICATIONS:

- Food & Beverage Wash-Down
- Clean Room Environments
- Food / Medical Grade Applications
- Turbine Generators
- Chemical Processing
- Military Electronics
- Mining Instrumentation

16 AWG (1,23mm²), 19/0,0117(19x0,29mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55362	2	0.027	0.69	0.224	5.69
55363	3	0.027	0.69	0.236	5.99
55364	4	0.027	0.69	0.257	6.53
55366	6	0.027	0.69	0.304	7.72
55369	9	0.027	0.69	0.353	8.97
55370/12	12	0.027	0.69	0.394	10.01

CHARACTERISTICS: Operating Temperature:

- -80° C to 200° C (UL, CSA 150° C)

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded FEP Teflon[®]
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size to Insulated Conductors of Cable
- Jacket: FEP Teflon[®]

SPECIFICATIONS:

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- **Pennsylvania Bureau of Deep Mine Safety Approved**
- RoHS Compliant
- CA Proposition 65 Compliant



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 650 - Chemical and Temperature Resistant Irradiated Viton[®]

(See Page 132 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]

(See Page 129 for Product Specifications)

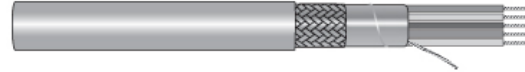
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Xtreme Performance In Unusually Demanding Environments! Impervious To Any Known Oil, Solvent, Chemical Or Fuel. Outstanding For High Temperature Applications



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Xtreme Performance Benefits:

- FEP Teflon[®] Insulation And Jacket For Xtreme Performance At Temperatures From -80°C (-112°F) To +200°C (392°F)
- Impervious To Oils, Solvents, Chemicals, Fuels And Acids
- FDA Recognized As Food / Medical Grade (Can Be Sterilized)
- Suitable For Use In Class 1 Clean Rooms
- 20% - 30% Smaller Diameter Than Conventional Cables
- Xtreme Performance Against EMI/ RFI When Specified With **SUPRASHIELD[®]** Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 5 APPLICATIONS:

- Food & Beverage Wash-Down
- Clean Room Environments
- Food / Medical Grade Applications
- Turbine Generators
- Chemical Processing
- Military Electronics
- Mining Instrumentation

CHARACTERISTICS: Operating Temperature:

- -80° C to 200° C (UL, CSA 150° C)

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded FEP Teflon[®]
- **SUPRASHIELD:** Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal In Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: FEP Teflon[®]

SPECIFICATIONS:

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- **Pennsylvania Bureau of Deep Mine Safety Approved**
- RoHS Compliant
- CA Proposition 65 Compliant

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55112	2	0.027	0.69	0.176	4.47
55113	3	0.027	0.69	0.183	4.65
55114	4	0.027	0.69	0.194	4.93
55116	6	0.027	0.69	0.221	5.61
55119	9	0.027	0.69	0.248	6.30
55120/12	12	0.027	0.69	0.271	6.88

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55102	2	0.027	0.69	0.188	4.78
55103	3	0.027	0.69	0.196	4.98
55104	4	0.027	0.69	0.209	5.31
55106	6	0.027	0.69	0.239	6.07
55109	9	0.027	0.69	0.270	6.86
55110/12	12	0.027	0.69	0.296	7.52

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55152	2	0.027	0.69	0.204	5.18
55153	3	0.027	0.69	0.213	5.41
55154	4	0.027	0.69	0.228	5.79
55156	6	0.027	0.69	0.263	6.68
55159	9	0.027	0.69	0.299	7.59
55160/12	12	0.027	0.69	0.329	8.36



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
- Orders Placed By 6:00 EST Will Be Shipped The Same Day
- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

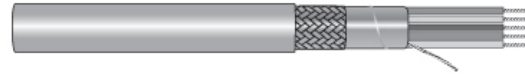
FIT[®] - 650 - Chemical and Temperature Resistant Irradiated Viton[®]
(See Page 132 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]
(See Page 129 for Product Specifications)





Xtreme Performance In Unusually Demanding Environments! Impervious To Any Known Oil, Solvent, Chemical Or Fuel. Outstanding For High Temperature Applications



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Xtreme Performance Benefits:

- FEP Teflon[®] Insulation And Jacket For Xtreme Performance At Temperatures From -80°C (-112°F) To +200°C (392°F)
- Impervious To Oils, Solvents, Chemicals, Fuels And Acids
- FDA Recognized As Food / Medical Grade (Can Be Sterilized)
- Suitable For Use In Class 1 Clean Rooms
- 20% - 30% Smaller Diameter Than Conventional Cables
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD[®] Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 5 APPLICATIONS:

- Food & Beverage Wash-Down
- Clean Room Environments
- Food / Medical Grade Applications
- Turbine Generators
- Chemical Processing
- Military Electronics
- Mining Instrumentation

CHARACTERISTICS: Operating Temperature:

- -80° C to 200°C (UL, CSA 150° C)

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart E Page 375
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded FEP Teflon[®]
- SUPRASHIELD: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal In Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: FEP Teflon[®]

SPECIFICATIONS:

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- **Pennsylvania Bureau of Deep Mine Safety Approved**
- RoHS Compliant
- CA Proposition 65 Compliant

18 AWG (0,90mm²), 7/26 (7x0,40mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55162	2	0.027	0.69	0.224	5.69
55163	3	0.027	0.69	0.235	5.97
55164	4	0.027	0.69	0.253	6.43
55166	6	0.027	0.69	0.293	7.44
55169	9	0.027	0.69	0.335	8.51
55170/12	12	0.027	0.69	0.371	9.42

16 AWG (1,23mm²), 19/0.0117(19x0,29mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Cond.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55172	2	0.027	0.69	0.246	6.25
55173	3	0.027	0.69	0.258	6.55
55174	4	0.027	0.69	0.279	7.09
55176	6	0.027	0.69	0.326	8.28
55179	9	0.027	0.69	0.375	9.52
55180/12	12	0.027	0.69	0.416	10.57



AVAILABILITY

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FIT[®] TUBING RECOMMENDATION

FIT[®] - 650 - Chemical and Temperature Resistant Irradiated Viton[®]
(See Page 132 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]
(See Page 129 for Product Specifications)





Xtreme Performance In Unusually Demanding Environments! Impervious To Any Known Oil, Solvent, Chemical Or Fuel. Outstanding For High Temperature Applications



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Xtreme Performance Benefits:

- FEP Teflon[®] Insulation And Jacket For Xtreme Performance At Temperatures From -80°C (-112°F) To +200°C (392°F)
- Impervious To Oils, Solvents, Chemicals, Fuels And Acids
- FDA Recognized As Food / Medical Grade (Can Be Sterilized)
- Suitable For Use In Class 1 Clean Rooms
- 20% - 30% Smaller Diameter Than Conventional Cables
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD[®] Alpha's Proprietary, High Performance Shielding System

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55021	1	0.027	0,69	0.160	4,06
55022	2	0.027	0,69	0.224	5,69
55023	3	0.027	0,69	0.237	6,02
55026	6	0.027	0,69	0.307	7,80
55029	9	0.027	0,69	0.358	9,09
55029/12	12	0.027	0,69	0.401	10,19

XTRA-GUARD[®] 5 APPLICATIONS:

- Food & Beverage Wash-Down
- Clean Room Environments
- Food / Medical Grade Applications
- Turbine Generators
- Chemical Processing
- Military Electronics
- Mining Instrumentation

CHARACTERISTICS: Operating Temperature:

- -80° C to 200° C (UL, CSA 150° C)

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart A Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded FEP Teflon[®]
- Core Wrap: High Temperature Tape
- Jacket: FEP Teflon[®]

SPECIFICATIONS:

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- **Pennsylvania Bureau of Deep Mine Safety Approved**
- RoHS Compliant
- CA Proposition 65 Compliant



AVAILABILITY

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FIT[®] TUBING RECOMMENDATION

FIT[®] - 650 - Chemical and Temperature Resistant Irradiated Viton[®]

(See Page 132 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]

(See Page 129 for Product Specifications)





Xtreme Performance In Unusually Demanding Environments! Impervious To Any Known Oil, Solvent, Chemical Or Fuel. Outstanding For High Temperature Applications



Xtreme Performance Benefits:

- FEP Teflon[®] Insulation And Jacket For Xtreme Performance At Temperatures From -80°C (-112°F) To +200°C (392°F)
- Impervious To Oils, Solvents, Chemicals, Fuels And Acids
- FDA Recognized As Food / Medical Grade (Can Be Sterilized)
- Suitable For Use In Class 1 Clean Rooms
- 20% - 30% Smaller Diameter Than Conventional Cables
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XTRA-GUARD[®] 5 APPLICATIONS:

- Food & Beverage Wash-Down
- Clean Room Environments
- Food / Medical Grade Applications
- Turbine Generators
- Chemical Processing
- Military Electronics
- Mining Instrumentation

CHARACTERISTICS: Operating Temperature:

- -80° C to 200° C (UL, CSA 150° C)

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart A Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded FEP Teflon[®]
- Shield : Aluminum/Polyester Foil Facing In with Stranded Tinned Copper Drain Wire Equal in Size To Insulated Conductors of Cable
- Jacket: FEP Teflon[®]

SPECIFICATIONS:

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- **Pennsylvania Bureau of Deep Mine Safety Approved**
- RoHS Compliant
- CA Proposition 65 Compliant



AVAILABILITY

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FIT[®] TUBING RECOMMENDATION

FIT[®] - 650 - Chemical and Temperature Resistant Irradiated Viton[®]

(See Page 132 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]

(See Page 129 for Product Specifications)

Web Site: www.alphawire.com
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Europe/UK Telephone: +44 (0) 1932 772422 • Europe/UK Fax: +44 (0) 1932 772433



24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55491	1	0.027	0.69	0.154	3,91
55492	2	0.027	0.69	0.210	5,33
55493	3	0.027	0.69	0.222	5,64
55496	6	0.027	0.69	0.284	7,21
55499	9	0.027	0.69	0.329	8,36
55499/11	11	0.027	0.69	0.355	9,02

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55481	1	0.027	0.69	0.166	4,22
55482	2	0.027	0.69	0.230	5,84
55483	3	0.027	0.69	0.243	6,17
55486	6	0.027	0.69	0.313	7,98
55489	9	0.027	0.69	0.365	9,25
55489/12	12	0.027	0.69	0.407	10,34

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^A 55451	1	0.027	0.69	0.182	4,62
55452	2	0.027	0.69	0.256	6,50
55453	3	0.027	0.69	0.271	6,88
55455	5	0.027	0.69	0.324	8,23
55456	6	0.027	0.69	0.353	8,97
55459	9	0.027	0.69	0.412	10,46
55459/12	12	0.027	0.69	0.461	11,71

18 AWG (0,90mm²), 7/26 (7x0,40mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
^A 55371	1	0.027	0.69	0.202	5,13
55372	2	0.027	0.69	0.289	7,34
55373	3	0.027	0.69	0.306	7,77
55376	6	0.027	0.69	0.402	10,21
55379	9	0.027	0.69	0.472	11,99



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- Impervious To Oils, Solvents, Chemicals, Fuels And Acids
- FDA Recognized As Food / Medical Grade (Can Be Sterilized)
- Suitable For Use In Class 1 Clean Rooms
- 20% - 30% Smaller Diameter Than Conventional Cables
- Xtreme Performance Against EMI/ RFI When Specified With SUPRASHIELD[®] Alpha's Proprietary, High Performance Shielding System

XTRA-GUARD[®] 5 APPLICATIONS:

- Food & Beverage Wash-Down
- Clean Room Environments
- Food / Medical Grade Applications
- Turbine Generators
- Chemical Processing
- Military Electronics
- Mining Instrumentation

CHARACTERISTICS:

Operating Temperature:

- -80° C to 200° C (UL, CSA 150° C)

Voltage Rating:

- 300 Volt

Color Description:

- Color Code: Chart A Page 374
- Jacket Colors: Chrome Gray, Industrial Black, Robust Red, High Visibility Yellow, Safety Orange, Bold Blue, Environmental Green, Sand Beige, Pure White

Product Description:

- Conductor: Stranded Tinned Copper
- Insulation : Color-Coded FEP Teflon[®]
- SUPRASHIELD: Aluminum/Polyester/Aluminum Foil with Stranded Tinned Copper Drain Wire Equal In Size to Insulated Conductors of Cable plus 70% Overall Braid of Tinned Copper
- Jacket: FEP Teflon[®]

SPECIFICATIONS:

- UL Type CMP
- UL AWM Style 20229
- CSA CMP FT6
- Passes 210,000 BTU Flame Test
- Passes Steiner Tunnel Test: (Low Smoke and Flame Generation)
- **Pennsylvania Bureau of Deep Mine Safety Approved**
- RoHS Compliant
- CA Proposition 65 Compliant



AVAILABILITY

- Most Items Are Available For Same-Day Shipment From Inventory
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- Please Refer To www.alphawire.com For Stocked Items

FIT[®] TUBING RECOMMENDATION

FIT[®] - 650 - Chemical and Temperature Resistant Irradiated Viton[®]

(See Page 132 for Product Specifications)

FIT[®] - 400 - Temperature/Chemical Resistant FEP Teflon[®]

(See Page 129 for Product Specifications)

24 AWG (0,23mm²), 7/32 (7x0,20mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55271	1	0.027	0.69	0.176	4,47
55272	2	0.027	0.69	0.232	5,89
55273	3	0.027	0.69	0.244	6,20
55276	6	0.027	0.69	0.306	7,77
55279	9	0.027	0.69	0.351	8,92
55279/12	12	0.027	0.69	0.388	9,86

22 AWG (0,35mm²), 7/30 (7x0,25mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55121	1	0.027	0.69	0.188	4,78
55122	2	0.027	0.69	0.252	6,40
55123	3	0.027	0.69	0.265	6,73
55126	6	0.027	0.69	0.335	8,51
55129	9	0.027	0.69	0.386	9,80
55129/12	12	0.027	0.69	0.429	10,90

20 AWG (0,56mm²), 7/28 (7x0,32mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55291	1	0.027	0.69	0.204	5,18
55292	2	0.027	0.69	0.278	7,06
55293	3	0.027	0.69	0.293	7,44
55296	6	0.027	0.69	0.375	9,52
55299	9	0.027	0.69	0.434	11,02
55299/12	12	0.027	0.69	0.483	12,27

18 AWG (0,90mm²), 7/26 (7x0,40mm), Insulation Thickness: 0.010" (0,25mm)

Alpha Part No.	No. of Pair.	Jacket Thickness		Nominal Diameter	
		Inches	mm	Inches	mm
55131	1	0.027	0.69	0.224	5,69
55132	2	0.027	0.69	0.311	7,90
55133	3	0.027	0.69	0.328	8,33
55136	6	0.027	0.69	0.424	10,77
55139	9	0.027	0,81	0.504	12,80

