

50Ω DC to 18 GHz

Features

- RoHS compliant
- wideband coverage, DC to 18 GHz
- extra rugged construction with strain relief for longer life
- stainless steel SMA and Type N connectors for long mating-cycle life
- useful over temperature range, -55°C to 105°C
- triple shield cable for excellent shielding effectiveness
- flexible for easy connection & bend radius
- superior stability of insertion loss, VSWR & phase vs. flexing
- 6 month guarantee*

Applications

- high volume production test stations
- research & development labs
- environmental & temperature test chambers
- replacement for OEM test port cables
- field RF testing
- cellular infrastructure site testing

IN STOCK



CBL-SMNM+
(SMA-N MALE)



CBL-SMSM+
(SMA MALE)



CBL-NMNM+
(N-MALE)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

The +Suffix has been added in order to identify RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

Electrical Specifications at 25°C

MODEL NO.	CONNECTOR TYPE		FREQ. (GHz)	LENGTH (FT)	INSERTION LOSS (dB)								RETURN LOSS (dB)								CASE STYLE	PRICE \$ Qty.	
	CONN1	CONN2			f _L -f _U	DC-2.5 GHz		2.5-6 GHz		6-12 GHz		12-18 GHz		DC-2.5 GHz		2.5-6 GHz		6-12 GHz		12-18 GHz			
						Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Max.	Typ.	Min.	Typ.	Min.	Typ.	Min.	Typ.			Min.
CBL-1.5FT-SMSM+	SMA-Male	SMA-Male	DC-18	1.5	0.25	0.6	0.4	0.85	0.7	1.2	1.0	1.4	30	23	30	20	27	17	27	17	GM1006-7	68.95	
CBL-2FT-SMSM+	SMA-Male	SMA-Male	DC-18	2	0.4	0.6	0.7	0.85	1.1	1.25	1.4	1.6	30	23	30	20	27	17	27	17	GM1006-2	69.95	
CBL-2FT-NMNM+	N-Male	N-Male	DC-18	2	0.4	0.6	0.7	0.85	1.1	1.25	1.4	1.6	30	23	30	20	27	17	27	17	GM1106-2	102.95	
CBL-2FT-SMNM+	SMA-Male	N-Male	DC-18	2	0.4	0.6	0.7	0.9	1.1	1.25	1.4	1.6	30	23	30	20	27	17	27	17	GM1105-2	99.95	
CBL-2FT-SFNM+	SMA-Fem	N-Male	DC-18	2	0.4	0.6	0.7	1.0	1.1	1.40	1.4	1.8	30	23	30	20	27	17	27	17	GM1132-2	119.95	
CBL-3FT-SMSM+	SMA-Male	SMA-Male	DC-18	3	0.6	0.8	1.0	1.2	1.5	1.8	1.9	2.25	30	23	30	20	27	17	27	17	GM1006-3	72.95	
CBL-3FT-SFSM+	SMA-Fem	SMA-Male	DC-18	3	0.6	0.8	1.0	1.3	1.5	1.9	1.9	2.45	30	23	30	20	27	17	27	17	GM1133-3	93.95	
CBL-3FT-NMNM+	N-Male	N-Male	DC-18	3	0.6	0.8	1.0	1.2	1.5	1.8	1.9	2.25	30	23	30	20	27	17	27	17	GM1106-3	105.95	
CBL-3NQK+	N-Male*	N-Male	DC-18	3	0.6	0.8	1.0	1.3	1.6	1.9	2.0	2.45	30	23	30	20	27	17	27	17	GM1106-3	107.95	
CBL-3FT-SMNM+	SMA-Male	N-Male	DC-18	3	0.6	0.8	1.0	1.3	1.5	1.8	1.9	2.25	30	23	30	20	27	17	27	17	GM1105-3	104.95	
CBL-3FT-SFNM+	SMA-Fem	N-Male	DC-18	3	0.6	0.8	1.0	1.35	1.5	1.95	1.9	2.45	30	23	30	20	27	17	27	17	GM1132-3	124.95	
CBL-4FT-SMSM+	SMA-Male	SMA-Male	DC-18	4	0.55	0.85	1.0	1.5	1.6	2.25	2.25	2.9	30	23	30	20	27	17	27	17	GM1006-4	75.95	
CBL-4FT-SMNM+	SMA-Male	N-Male	DC-18	4	0.55	0.85	1.0	1.5	1.6	2.25	2.25	2.9	30	23	30	20	27	17	27	17	GM1105-4	112.95	
CBL-6FT-SMSM+	SMA-Male	SMA-Male	DC-18	6	1.2	1.4	2.0	2.2	3.0	3.35	3.8	4.3	30	23	30	20	27	17	22	17	GM1006-6	79.95	
CBL-6FT-NMNM+	N-Male	N-Male	DC-18	6	1.2	1.4	2.0	2.2	3.0	3.35	3.8	4.3	30	23	30	20	27	17	22	17	GM1106-6	112.95	
CBL-6FT-SMNM+	SMA-Male	N-Male	DC-18	6	1.2	1.4	2.0	2.3	3.0	3.35	3.8	4.3	30	23	30	20	27	17	22	17	GM1105-6	114.95	
CBL-6FT-SFNM+	SMA-Fem	N-Male	DC-18	6	1.1	1.4	2.0	2.35	3.0	3.55	3.8	4.55	30	23	30	20	27	17	22	17	GM1132-6	146.95	
CBL-10FT-SMSM+	SMA-Male	SMA-Male	DC-18	10	1.8	2.1	3.1	3.8	4.8	5.7	6.1	7.4	30	23	30	20	27	17	22	17	GM1006-12	87.95	
CBL-12FT-SMSM+	SMA-Male	SMA-Male	DC-18	12	2.0	2.45	3.8	4.4	5.9	6.7	7.3	8.7	30	23	30	20	27	17	22	17	GM1006-11	91.95	
CBL-15FT-SMSM+	SMA-Male	SMA-Male	DC-18	15	2.5	2.95	4.7	5.5	7.30	8.35	9.25	10.80	30	23	30	20	27	17	22	17	GM1006-14	100.95	
CBL-15FT-NMNM+	N-Male	N-Male	DC-18	15	2.5	2.95	4.94	5.5	7.32	8.35	9.25	10.85	30	23	30	20	27	17	22	17	GM1106-7	164.95	
CBL-15FT-SMNM+	SMA-Male	N-Male	DC-18	15	2.5	2.95	4.94	5.5	7.32	8.35	9.25	10.8	30	23	30	20	27	17	22	17	GM1105-7	156.95	
CBL-20FT-NMNM+	N-Male	N-Male	DC-18	20	3.3	3.85	6.2	7.25	9.4	11.05	12.0	14.3	30	23	30	20	27	17	22	17	GM1106-8	178.95	
CBL-25FT-NMNM+	N-Male	N-Male	DC-18	25	4.1	4.8	7.8	9.0	11.7	13.7	15.0	17.8	30	23	30	20	27	17	22	17	GM1106-9	199.95	

Custom sizes available, consult factory.

*Quick-turn connector, 1.5T to mate on one side only (marking: 1T)

Maximum Ratings

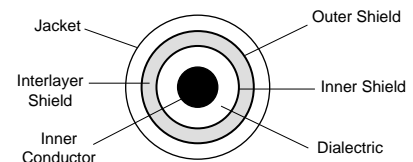
Operating Temperature -55°C to 105°C

Storage Temperature -55°C to 105°C

Shielding Effectiveness	>100 dB
Power Handling at 25°C	891W Max. at 0.4 GHz
	539W Max. at 1 GHz
	363W Max. at 2 GHz
	180W Max. at 6 GHz
	117W Max. at 12 GHz
	88W Max. at 18 GHz

Product Guarantee*

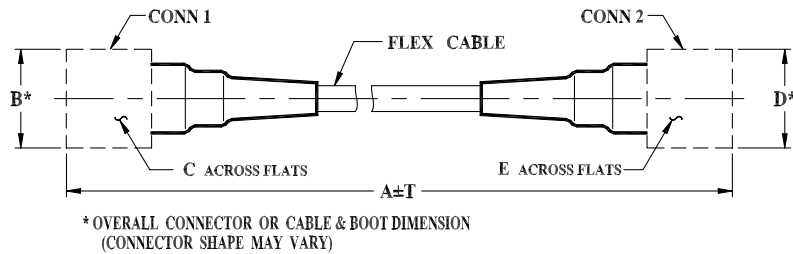
Mini-Circuits® will repair or replace your test cable at its option if the connector attachment fails within six months of shipment. This guarantee excludes cable or connector interface damage from misuse or abuse.



cable cross section

Cable Construction	
Inner Conductor	Solid Silver Plated Copper Clad Steel
Dielectric	Solid PTFE
Shield	Silver-Plated Copper Flat Ribbon Braid Aluminum-Polyimide Tape Interlayer 36 GA Silver-Plated Copper Braid (90%k)
Jacket	Clear FEP
Connectors	
<ul style="list-style-type: none"> • passivated stainless steel • captive contact • thick wall interface (SMA) • gold plated beryllium copper center contacts • PTFE dielectric 	

Outline Drawing



Outline Dimensions ($\frac{\text{inch}}{\text{mm}}$)

CASE STYLE	A	B	C	D	E	T	wt grams
GM1006-2	24.0 609.60	.42 10.67	.312 7.92	.42 10.67	.312 7.92	.75 19.05	57
GM1006-3	36.0 914.40	.42 10.67	.312 7.92	.42 10.67	.312 7.92	1.08 27.43	75
GM1006-4	48.0 1219.20	.42 10.67	.312 7.92	.42 10.67	.312 7.92	1.44 36.58	94
GM1006-6	72.0 1828.80	.42 10.67	.312 7.92	.42 10.67	.312 7.92	2.16 54.86	131
GM1006-11	144.0 3657.60	.42 10.67	.312 7.92	.42 10.67	.312 7.92	4.32 109.73	242
GM1006-12	120 3048.00	.42 10.67	.312 7.92	.42 10.67	.312 7.92	3.60 91.44	205
GM1006-7	18.0 457.20	.42 10.67	.312 7.92	.42 10.67	.312 7.92	.75 19.05	47
GM1105-2	24.0 609.60	.42 10.67	.312 7.92	.88 22.35	.812 20.62	.75 19.05	96
GM1105-3	36.0 914.40	.42 10.67	.312 7.92	.88 22.35	.812 20.62	1.08 27.43	114
GM1105-4	48.0 1219.20	.42 10.67	.312 7.92	.88 22.35	.812 20.62	1.44 36.58	133
GM1105-6	72.0 1828.80	.42 10.67	.312 7.92	.88 22.35	.812 20.62	2.16 54.86	170
GM1105-7	180.0 4572.00	.42 10.67	.312 7.92	.88 22.35	.812 20.62	5.40 137.16	336
GM1106-2	24.0 609.60	.88 22.35	.812 20.62	.88 22.35	.812 20.62	.75 19.05	135
GM1106-3	36.0 914.40	.88 22.35	.812 20.62	.88 22.35	.812 20.62	1.08 27.43	153
GM1106-6	72.0 1828.80	.88 22.35	.812 20.62	.88 22.35	.812 20.62	2.16 54.86	209
GM1106-7	180.0 4572.00	.88 22.35	.812 20.62	.88 22.35	.812 20.62	5.40 137.16	375
GM1106-8	240.0 6096.00	.88 22.35	.812 20.62	.88 22.35	.812 20.62	7.20 182.88	468
GM1106-9	300.0 7620.00	.88 22.35	.812 20.62	.88 22.35	.812 20.62	9.00 228.60	560
GM1132-2	24.0 609.60	.51 12.95	--	.88 22.35	.812 20.62	.75 19.05	101
GM1132-3	36.0 914.40	.51 12.95	--	.88 22.35	.812 20.62	1.08 27.43	119
GM1132-6	72.0 1828.80	.51 12.95	--	.88 22.35	.812 20.62	2.16 54.86	175
GM1133-3	36.0 914.40	.51 12.95	--	.42 10.67	.312 7.92	1.08 27.43	80
GM1006-14	180 4572.00	.42 10.67	.312 7.92	.42 10.67	.312 7.92	5.40 137.16	300

