

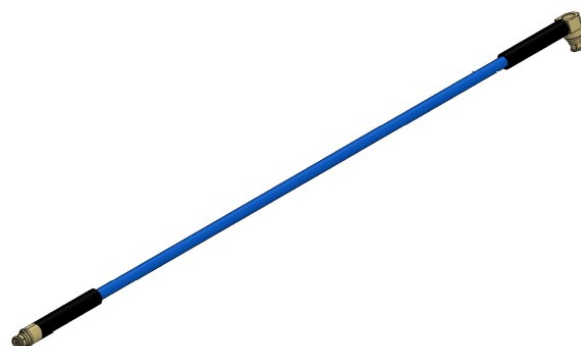


SkyBlue EM-C260 Series

Low Loss Multi-Purpose Cable Assembly, SMPM 18GHz

Features

- VSWR 1.35:1 Max up to 18GHz
- 70% Phase Velocity
- Double Shielded
- Shielding Effectivity >90dB
- 2.6mm FEP Outer Jacket, Blue
- EM-C260 Series Low Loss
- SMPM Connectors



ELECTRICAL SPECIFICATION (25° C, sea level)

Description	Min	Typ	Max	Units/Note
Impedance		50Ω		Ohm
Frequency	DC		18	GHz
VSWR			1.35:1	@18GHz
Velocity of Propagation		70		%
Dielectric Withstand		1000		Volts
RF Shielding	90			dB
Capacitance		94		pF/m
Temperature	-55		125	° C
Phase change vs bending		±0.3		° /GHz

Performance by Frequency (Cable Only)

Frequency (MHz)	Insertion Loss(25° C) dB/ft	Average Power(25° C @ Sea Level) Watts
500	0.133	288
1000	0.191	200
3000	0.347	110
6000	0.511	75
10000	0.568	56
15000	0.874	44
18000	0.976	39

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MECHANICAL SPECIFICATION, CONNECTORS		
Description	Connector 1	Connector 2
Type	SMPM	SMPM
Mating Cycles, Full Detent	>100	>100
Mating Cycles, Limited Detent	>100	>100
Mating Cycles, Smooth Bore	>1000	>1000
Engagement Force, Full Detent	4.5lbs (20N)	4.5lbs (20N)
Engagement Force, Smooth Bore	2.5lbs (11.1N)	2.5lbs (11.1N)
Disengagement Force, Full Detent	6.5lbs (11.1N)	6.5lbs (11.1N)
Disengagement Force, Smooth Bore	1.5lbs (11.1N)	1.5lbs (11.1N)
Material, Body	Gold Plated Brass	Gold Plated Brass
Contacts	Gold Plated BeCu	Gold Plated BeCu
Dielectric Type	PTFE	PTFE

MECHANICAL SPECIFICATION, CABLE	
Description	Specification
Cable Type	EM-C260
Diameter	0.102in. (2.6mm)
Weight	0.015lb/ft(0.022kg/m)
Minimum Bend Radius, Static	0.512in. (13.0mm)
Minimum Bend Radius, Dynamic	1.024in. (26.0mm)
Length Tolerance	±0.196in(±5mm)

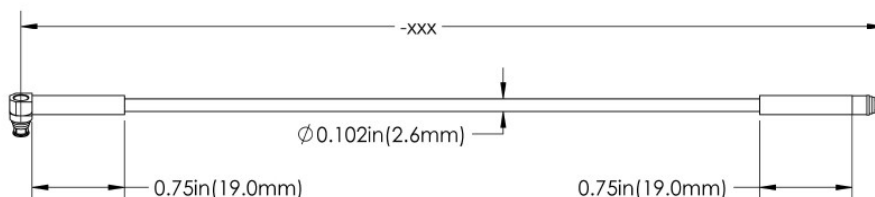
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Ordering Information



Connector Options:
SMPM

Part Number Configurator

Series, SMPM	Connector 1	Connector 2	Length (in)
EM-C260SMPM	XXX	XXX	-XXX

Connector 1

SMPM Plug(F), Straight	SPF
SMPM Jack(M), Straight	SJM
SMPM Plug(F), Right Angle	RPF
SMPM Jack(M), Right Angle	Call

Connector 2

SMPM Plug(F), Straight	SPF
SMPM Jack(M), Straight	SJM
SMPM Plug(F), Right Angle	RPF
SMPM Jack(M), Right Angle	Call

Example:

EM-C260SMPMSPFRPF-012, 12 inch cable with straight SMPM Plug to right angle SMPM plug.

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