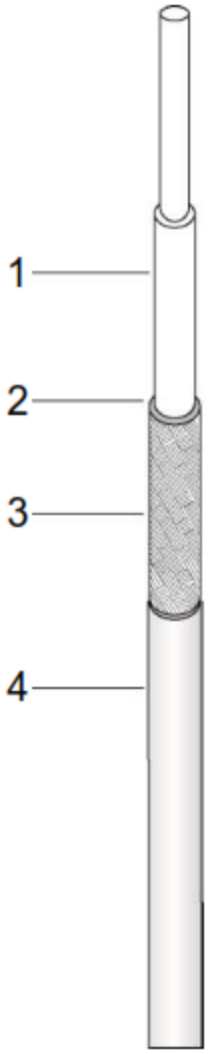
CFX2-141 Low Loss Semi-Flexible Cable Assemblies



Construction

Structure	Material	Diameter
1) Inner Conductor	Copper Wrapped Silver Plated Steel	0.93 mm
2) Insulator	PTFE	3.00 mm
3) Outer Conductor	Tinned Copper Braid	3.52 mm
4) Jacket	FEP	4.15 mm

Electrical Specifications

Frequency	DC-18 GHz
Capacitance	95.1 pF/m
Impedance	50 Ω
Velocity of Propagation	70 %
Delay	4.7 ns/m
Dialectric Withstanding Voltage	1900 V
Shielding Effectiveness	100 dB
Connector Loss	0.2 dB Typ

Mechanical/Environmental Specifications

Bend Radius (Static)	8 mm
Bend Radius (Repetitive)	40 mm
Operating Tempurature	-55°C - +125°C

Attenuation and Power vs. Frequency

Frequency (GHz)	Attenuation (dB/m)	Average Power (W)
0.5	0.26	436.5
1.0	0.39	303.4
3.0	0.84	169.0
5.0	0.92	126.7
10.0	1.38	85.5
18.0	2.10	56.6

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