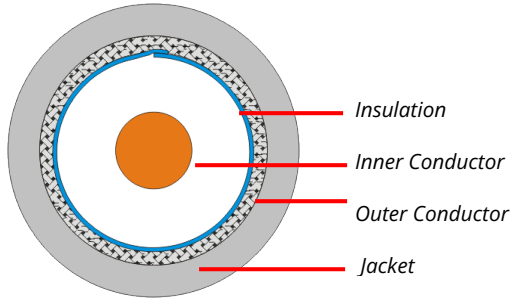


<<<< For Reference Only >>>>



RFS-195 50Ω Flexible Low Loss Communication Cable

Cross Section



Electrical Characteristics

Characteristic Impedance	50 ±2ohm
Capacitance	83 pF/m
Velocity ratio	80 %
DCR: Inner Conductor	< 26 ohm/km
DCR: Outer Conductor	< 18 ohm/km
Voltage withstand	4000 V RMS
Jacket Spark	1500 V RMS
Insulation resistance	> 10,000 MΩ·km
Peak Power	2.5 KW
Shielding Effectiveness	> 90 dB
VSWR	30-1000 MHz <1.15 1001-2500 MHz <1.20 2501-5800 MHz <1.25

Cable Description

Inner Conductor	BC
Conductor Dia.	0.94 +/-0.03mm
Min.Break Strength	293 N
Insulation	Foam P.E.
Insulation Dia.	2.79 +/-0.15mm
Color	Neutral
Adhesion	10 to 100N @ 25mm
Shielding	AL/P-Foil (Bonded)
Foil overlap	≥ 120 %
Outer Conductor	TC Wire Braid
Coverage	90 +/-3%
Jacket	PE
Outer Dia	4.95 +/-0.15mm
Color	BLACK
Adhesion	20 to 80N @ 50mm

Attenuation (at 20 °C)

[MHz]	[Power kw]	[dB/100m]
30	0.89	6.50
50	0.68	8.40
150	0.39	14.60
220	0.32	17.70
450	0.22	25.50
900	0.16	36.50
1500	0.12	47.70
1800	0.11	52.50
2000	0.10	55.40
2500	0.09	62.40
5800	0.06	98.10
8000	0.04	117.10

Maximum attenuation is 10% higher.

Mechanical Characteristics

Min.Bending Radius:	
Installation	15 mm
Repeated	50 mm
Max.Pulling Tension	245 N
Rated Temperature	
Installation/operating temperature	-30~+75 °C
Storage temperature	-30~+75 °C

RoHS 3.0 Guideline

Cadmium content (Cd)	< 0.01 % (100ppm)
Lead content (Pb)	<0.1% (1000ppm)
Mercury content (Hg)	<0.1% (1000ppm)
Chromium (VI) content	<0.1% (1000ppm)
Polybrominated Biphenyls (PBB)	<0.1% (1000ppm)
Polybrominated Diphenyl Ether (PBDE)	<0.1% (1000ppm)
Diethyl hexyl phthalate (DEHP)	<0.1% (1000ppm)
Butyl phenyl phthalate (BBP)	<0.1% (1000ppm)
Dibutyl phthalate (DBP)	<0.1% (1000ppm)
Diisobutyl phthalate (DIBP)	<0.1% (1000ppm)

Note: The specifications are subjected to change without prior notice

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COAXIAL CABLE

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