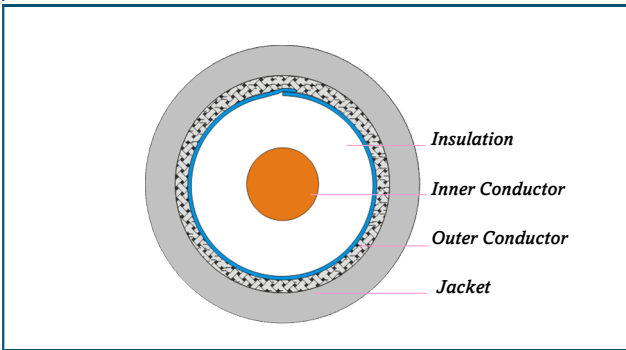




RFS-240

50Ω Flexible Low Loss Communication Cable

Cross Section



Cable Description

Inner Conductor	BC
Conductor Dia.	1.42 +/-0.10mm
Min.Break Strength	728 N
Insulation	Foam P.E.
Insulation Dia.	3.81 +/-0.15mm
Color	Neutral
Adhesion	10 to 100N @ 25mm
Shielding	AL/P-Foil(Bonded)
Foil overlap	≥ 115 %
Outer Conductor	TC Wire Braid
Coverage	95 +/-3%
Jacket	PE
Outer Dia	6.10 +/-0.20mm
Color	Black

Mechanical Characteristics

Min.Bending Radius:	
Installation	19 mm
Repeated	63.5 mm
Max.Pulling Tension	372 N
Rated Temperature	
Installation/operating temperature	-30~+75 °C
Storage temperature	-30~+75 °C

Electrical Characteristics

Characteristic Impedance	50 ± 2 ohm
Capacitance	77.5 pF/m
Velocity ratio	84 %
DCR: Inner Conductor	< 11.0 ohm/km
DCR: Outer Conductor	< 12.5 ohm/km
Jacket Sparker	5000 V RMS
Dielectric Strength	1500 V RMS
Insulation resistance	> 10,000 MΩ-km
Peak Power	5.6 KW
Shielding Effectiveness	> 90 dB
VSWR	
	30-1000 MHz <1.15
	1001-2500 MHz <1.20
	2501-5800 MHz <1.25

Attenuation (at 20 °C)

[MHz]	[Power kw]	[dB/100m]
30	1.49	4.40
50	1.15	5.70
150	0.66	9.90
220	0.54	12.00
450	0.38	17.30
900	0.26	24.80
1500	0.20	32.40
1800	0.18	35.60
2000	0.17	37.70
2500	0.15	42.40
5800	0.10	66.80
8000	0.08	79.70

Maximum attenuation is 10% higher.

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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