

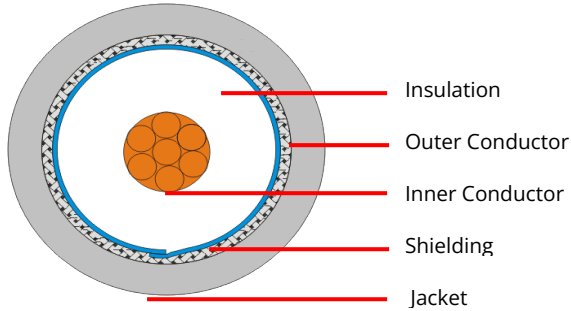
<<<< For Reference Only >>>>



RFS-240-UF

50Ω Ultra Flexible Low Loss Communication Cable

Cross Section



Electrical Characteristics

Characteristic Impedance	50	± 2 ohm
Capacitance	78	pF/m
Velocity ratio	84	%
DCR: Inner Conductor	<14.2	ohm/km
DCR: Outer Conductor	<13.5	ohm/km
Jacket Sparker	5000	VRMS
Dielectric Strength	1500	VDC
Insulation resistance	> 10,000	MΩ·km
Peak Power	5.6	KW
Shielding Effectiveness	>90	dB
VSWR	DC-1.0GHz	<1.15
	1.0-2.5GHz	<1.20
	2.5-3.5GHz	<1.25
	3.5-6.0GHz	<1.30

Cable Description

Inner Conductor	Stranded BC
Conductor Dia.	1.50 +/-0.04mm
Min.Break Strength	728 N
Insulation	Foam P.E.
Insulation Dia.	3.81 +/-0.15mm
Color	Neutral
Adhesion	45 to 100N @ 25mm
Shielding	AL/P-Foil (Bonded)
Foil overlap	≥ 115 %
Outer Conductor	TC Wire Braid
Coverage	92 +/-3%
Jacket	TPE
Outer Dia	6.10 +/-0.20mm
Color	Black
Adhesion	66 to 333N @ 50mm

Attenuation (at 20 °C)

[MHz]	[Power kw]	[dB/100m]
30	1.24	5.30
50	0.96	6.80
150	0.55	11.90
220	0.45	14.40
450	0.31	20.80
900	0.22	29.80
1500	0.17	38.90
1800	0.15	42.80
2000	0.14	45.20
2500	0.13	50.90
5800	0.08	80.10

Maximum attenuation is 10% higher.

Mechanical Characteristics

Min.Bending Radius:	
Installation	19mm
Repeated	63.5mm
Max.Pulling Tension	745
Rated Temperature	
Installation/operating temperature	-30~+75 °C
Storage temperature	-30~+75 °C

RoHS3.0 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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