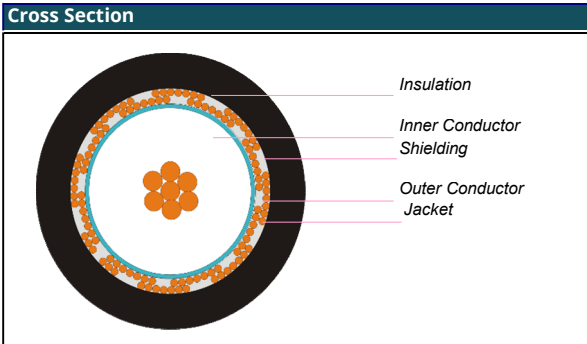




RFS-400-UF **50Ω Ultra Flexible Low Loss Communication Cable**



Electrical Characteristics

Characteristic Impedance	50 ± 2 ohm
Capacitance	78 pF/m
Velocity ratio	85 %
DCR: Inner Conductor	< 3.70 ohm/km
DCR: Outer Conductor	< 5.90 ohm/km
Jacket Sparker	8000 VCA
Dielectric Strength	2500 VDC
Insulation resistance	> 10,000 MΩ·km
Peak Power	16 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 10AWG (0.95 x7)
Conductor Dia.	2.82 +/-0.02mm
Min.Break Strength	2200 N
Insulation	Foam P.E.
Insulation Dia.	7.24 +/-0.15mm
Color	Neutral
Centricity	≥ 85 %
Adhesion	10 to 100N @ 25mm
Shielding	AL/P-Foil (Bonded)
Foil overlap	≥ 120%
Outer Conductor	TC Wire Braid
Coverage	90 +/-3%
Jacket	TPE / TPU
Outer Dia	10.20 +/-0.15mm
Color	

Attenuation (at)

[MHz]	[Power kw]	[dB/100m]	
30 MHz	0.80	2.70	
50 MHz	1.10	3.50	
150 MHz	1.80	6.10	
220 MHz	2.20	7.40	
450 MHz	3.30	10.70	
900 MHz	4.70	15.40	
1500 MHz	6.20	20.20	
1800 MHz	6.80	22.30	
2000 MHz	7.20	23.60	
2500 MHz	8.10	26.60	
5800 MHz	13.00	42.60	

Maximum attenuation is 10% higher.

Mechanical Characteristics

Min.Bending Radius:	
Installation	35mm
Repeated	100mm
Max.Pulling Tension	725
Crush resistance of cable (load of 700N)	< 1 %
Rated Temperature	
Storage/operating temperature	-40~+85 °C
Outdoor Installation	-5°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



COAXIAL CABLE

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