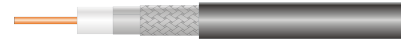


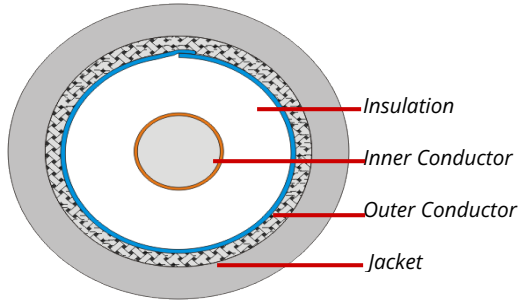
<<<< For Reference Only >>>>



## RFS-400

### 50Ω Flexible Low Loss Communication Cable

#### Cross Section



#### Electrical Characteristics

<b>Characteristic Impedance</b>	50	± 2 ohm
<b>Capacitance</b>	75	pF/m
<b>Velocity ratio</b>	85	%
<b>DCR: Inner Conductor</b>	4.8	ohm/km
<b>DCR: Outer Conductor</b>	7.3	ohm/km
<b>Voltage withstand</b>	2,500V	RMS
<b>Jacket Spark</b>	8,000V	RMS
<b>Insulation resistance</b>	> 10,000	MΩ·km
<b>Peak Power</b>	16	KW
<b>Shielding Effectiveness</b>	> 90	dB
<b>VSWR</b>	30-1000 MHz	<1.15
	1001-2500 MHz	<1.20
	2501-5800 MHz	<1.25

#### Cable Description

<b>Inner Conductor</b>	Solid CCA
Conductor Dia.	<b>2.74</b> +/-0.15mm
Min.Break Strength	649 N
<b>Insulation</b>	Foam P.E.
Insulation Dia.	<b>7.24</b> +/-0.20mm
Color	Neutral
Adhesion	10 to 100N @ 25mm
<b>Shielding</b>	AL/P-Foil (Bonded)
Foil overlap	≥ 115 %
<b>Outer Conductor</b>	TC Wire Braid
Coverage	<b>80</b> +/-3%
<b>Jacket</b>	PE
Outer Dia	<b>10.20</b> +/-0.30mm
Color	Black

#### Attenuation (at 20 °C)

[MHz]	[Power kw]	[dB/100m]
30	3.33	2.20
50	2.57	2.90
150	1.47	5.00
220	1.20	6.10
450	0.83	8.90
900	0.58	12.80
1500	0.44	16.80
1800	0.40	18.60
2000	0.37	19.60
2500	0.33	22.20
5800	0.21	35.50
8000	0.17	42.70

*Maximum attenuation is 10% higher.*

#### Mechanical Characteristics

<b>Min.Bending Radius:</b>	
Installation	36 mm
Repeated	100 mm
<b>Max.Pulling Tension</b>	740 N
<b>Rated Temperature</b>	
Installation/operating temperature	-30~+75 °C
Storage temperature	-30~+75 °C

#### RoHS 3.0 Guideline

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

**Note: The specifications are subjected to change without prior notice**

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**COAXIAL CABLE**

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