

RFSI360

High Strength Bending Resistant Cable

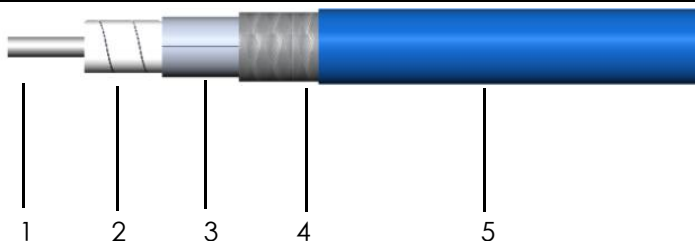
Ver A1 Release Date Match, 2018



P/N: 18036

Features&Benefits

- 76%Vp PTFE Tape+AL Foil+Steel Wire shield
- Low Loss
- Excellent Cost Effectiveness
- Excellent Pulling Strength



Construction Specification

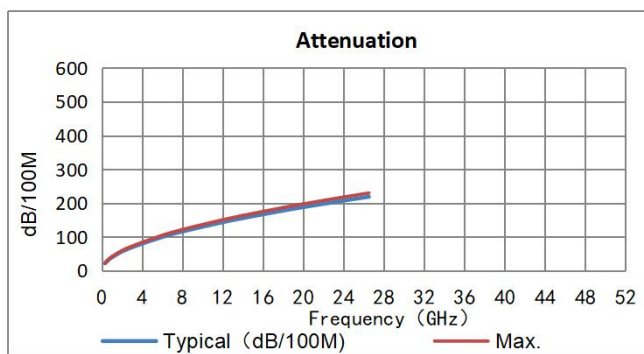
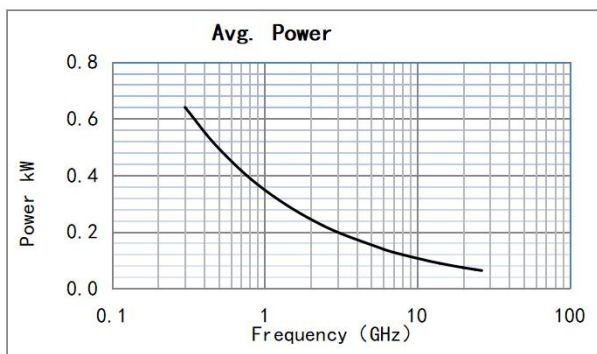
	Description	Size (mm)	Tol.	Materials
1	Center conductor	0.91	±0.01	Silver Plated Copper
2	Dielectric	2.70	±0.05	LD PTFE
3	Outer conductor	2.85	±0.08	Silver Plated Copper Flat
4	Innerlayer	2.95	±0.08	High Temperature Aluminium Foil
5	Outer shield	3.20	±0.08	Stainless Steel Wire
6	Jacket	3.60	±0.10	FEP Purple or Customized

Mechanical&Environmental Specifications

Bend Radius:installation (mm)	18
Bend Radius:repeated (mm)	36
Weight (g/m)	29
Temp, Operating&Installation (°C)	-55~165
Cutoff Frequency(GHz)	30

Electrical Specifications

Operation Frequency (GHz)	26.5
Impedance (Ohms)	50
Velocity of Propagation(%)	76
Shielding Effectiveness (dB)	≥90
Voltage Withstand (V,DC)	1500



Attenuation (Typical@25°C&VSWR=1.0) &Power (VSWR=1.0;40°C;Sea Level)

Frequency MHz	300	500	1000	2400	6000	8000	12000	14000	18000	20000	24000	26500
dB/100 m	21.6	28.0	39.8	62.2	99.8	115.9	143.4	155.6	177.8	188.1	207.4	218.8
Avg.Power kW	0.640	0.494	0.348	0.223	0.139	0.119	0.097	0.089	0.078	0.074	0.067	0.063
K1=	1.2380000					K2=	0.0006500					

Calculate Attenuation= $K1 * \sqrt{F} + K2 * F$

Maximum attenuation is 10% higher.

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