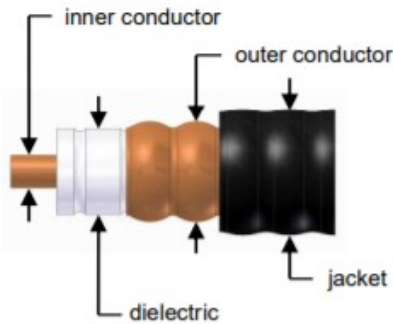


# SRFS TELEINFRA

## 1-1/4 COAXIAL CABLE



DIMENSION / MATERIAL	
Inner conductor	Ø 13.00 ±0.10 mm   Ø 0.52 ±0.004 in Smooth copper tube
Dielectric	Ø 32.80 ±0.40 mm   Ø 1.29 ±0.016 in Physically foamed PE
Outer conductor	Ø 35.80 ±0.30 mm   Ø 1.40 ±0.012 in Ring corrugated Copper
Jacket	Ø 38.80 ±0.30 mm   Ø 1.07 ±0.012 in PE black
Mechanical Specification	
Minimum bending radius	Single 200 mm   7.87 in Repeated 380 mm   14.96 in
Max. tensile force	5900 N   1326.37 lbf
Crush resistance	2.2 kg/mm   123.2 lb/in
Recommended clamp spacing	1200 mm   47 in
Weight	0.98 kg/m   0.66 lb/ft
Electrical Specification	
Impedance	50 Ω ±1
Propagation velocity	88 %
Capacitance	75 pF/m   22.87 pF/ft
Inductance	0.184 µH/m   0.056 µH/ft
Inner conductor	DC resistance 0.85 Ω/km   0.26 Ω/kft
Outer conductor	DC resistance 0.80 Ω/km   0.24 Ω/kft
DC breakdown voltage	9.0 kV
Peak power	205 kW
Max. operating frequency	3.3 GHz
Insulation resistance	>5 x103 MΩkm   >1.5 x103 MΩkft
Screening attenuation	>> 120 dB
Cut-off frequency	3.3 GHz
VSWR(selected frequency ranges)	≤ 1.13
Propagation velocity	88 %
Standard condition: Attenuation: 20°C   68°F ambient temperature Mean power: 40°C   104°F ambient temperature	

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## COAXIAL CABLE

Environmental Specification			
Recommended Temperature range	A73090	-70 °C to +85 °C -94°F to +185°	Storage
		-40 °C to +60 °C -40°F to +140°F	Installation
		-55 °C to +85 °C -67°F to +185°F	Operation
	A73037	30 °C to +80 °C -22°F to +176°F	Storage
		20 °C to +60 °C -4°F to +140°F	Installation
		-30 °C to +80 °C -22°F to +176°F	Operation
RoHS 2002/95/EC		Compliant	
IEC 60754-1 IEC 60754-2		Halogen-free	
Frequency	Nom. attenuation dB./100m   dB/100ft		Mean power rating kW
10 MHz	0.253	0.077	38.6
108 MHz	0.891	0.272	11.7
174 MHz	1.12	0.341	8.63
512 MHz	2.01	0.613	4.75
824 MHz	2.63	0.802	3.71
894 MHz	2.76	0.841	3.53
925 MHz	2.81	0.856	3.46
960 MHz	2.87	0.875	3.42
1880 MHz	4.27	1.30	2.34
2200 MHz	4.69	1.43	2.13
2500 MHz	5.07	1.55	2.00
2700 MHz	5.32	1.62	1.85
3300 MHz	6.03	1.84	1.56