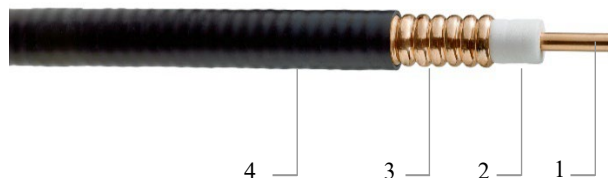


Part No: 05705

Coaxial Corrugated Cable 7/8" Low Loss Feeder Type 500m

Construction		
Inner Conductor	Material	Smooth copper tube
	Diameter, mm	8.85±0.10
Insulation	Material	Physically foamed PE
	Diameter, mm	22.50±0.40
Outer conductor	Material	Ring corrugated copper
	Diameter, mm	24.90±0.30
Jacket	Material	PE or fire retardant PE
	Diameter, mm	27.30±0.20
Mechanical properties		
Bending radius, mm	Single	120
	Repeated	250
	Moving	500
Pulling strength, N		1470
Crush resistance, kg/mm		1.4
Recommended temperature, °C	Store	-70~+85
	Installation	-40~+60
	Operation	-55~+85
Electrical properties		
Impedance, Ω		50 ± 1
Inductance, μH/m		0.187
Capacitance, PF/m		75
Propagation velocity, %		88
DC breakdown voltage, kV		6.0
Insulation resistance, MΩ·km		>5 × 10 ³
Peak power, kW		91
Screening attenuation, dB		>>120
Cut-off frequency, GHz		5.0



1: Inner Conductor 2: Insulation
3: Outer conductor 4: Jacket

Figure 8: 05705 7/8" Feeder cable

Attenuation and average power		
Frequency MHz	Nom. attenuation @20°C, dB/100m	Power rate @20°C, kW
10	0.366	24.6
100	1.19	7.56
450	2.65	3.41
800	3.63	2.48
900	3.88	2.33
1000	4.12	2.19
1500	5.18	1.74
1800	5.75	1.57
2000	6.11	1.48
2500	6.95	1.30
3000	7.76	1.16
<ul style="list-style-type: none"> Maximum attenuation value shall be 105% of the nominal attenuation value 		
VSWR		
806~960MHz	≤1.13	
1700~2200MHz	≤1.13	
5~3000MHz	≤1.25	

Note:

- For fire retardant jacket, recommended temperatures are:
 - Store temperature -30~+80°C
 - Installation temperature -25~+60°C
 - Operation temperature -30~+80°C
- This cable is RoHS compliant. As a statement of RoHS compliant, you can find the label below on our product package.

