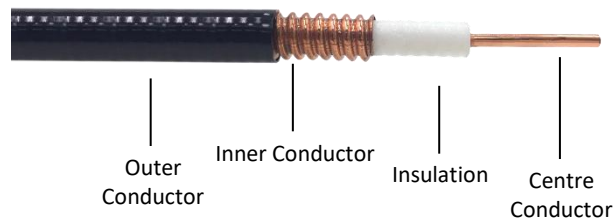


DATASHEET

Coaxial Cable Corrugated Superflex 1/4" 50 Ohm

PART NO: 05712N



CONSTRUCTION

	Material	OD
Inner Conductor	Copper Wire	1.9
Dielectric	Cellular Polyethylene	4.8
Outer Conductor	Corrugated Copper Tube	6.4
Sheath	See below table	7.4
Marking	ΩHMAX, Manufacturer's name, Cable type, Manufacture Week, Year, and Metre mark	

ELECTRICAL CHARACTERISTICS

Capacitance	80 pF/m
Impedance	50 Ω ± 2
Velocity Factor	0.83
Maximum Operating Frequency	3000 MHz
Cut-off frequency	21000 MHz
Peak RF Voltage Rating	0.74 kV
Peak Power Rating	5.4 kW
DC-Resistance Inner Conductor	9.8 Ω/km
DC-Resistance Outer Conductor	7.7 Ω/km

MECHANICAL CHARACTERISTICS

Weight	74 kg/km
Maximum Pulling Force	350N
Minimum Bending Radius	
- Single Bending	12.5mm
- Repeated Bending	25 mm
Operating Temperature Range	-40...+70°C

ATTENUATION

Frequency (MHz)	Attenuation (max) Ambient Temperature 20°C (dB/100 m)	Power Rating Ambient +40°C Inner Conductor +100°C (kW)
500	13.4	0.47
1000	19.4	0.32
1400	23.3	0.27
2000	28.3	0.22
2400	31.3	0.20
2800	34.1	0.19
3000	35.4	0.18

JACKETING OPTIONS

Type	Jacket	IEC 60754-1/-2 Halogen Free, Non-Corrosive	IEC 61034 Low Smoke Emission	IEC 60332-3 C Fire Retardant	UV Retardancy	Min. Installation Temperature
RFF ¼"-50	Black LD Polyethylene	Yes	No	No	Yes	-40°C
RFF ¼"-50 GHF	Grey, Halogen Free Fire-Retardant thermoplastic	Yes	Yes	Yes	No	-5°C
RFF ¼"-50 BHF	Black, Halogen Free Fire-Retardant Thermoplastic	Yes	Yes	Yes	Yes	-5°C