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Prod.

Hansen 1/2" LCF Feeder

Prod No.

FC-1/2"Feeder-cable-Hansen-LCF

Application and Properties:

Hansen 1/2" LCF feeder cable is a 1/2" low loss physical foamed insulation coaxial cable and its impedance is 50 ohms. Low Loss coaxial cables are specifically designed to correspond to requirements of the mobile, cellular and broadcast networks. They deliver excellent performance for connections between the base station and antennas.

- Other Details

- Reliable
- Flexible
- Stable and Tough
- Excellent performance
- Low current loss

- Technical Specification

Technical Specifications

Construction Specifications

Inner conductor	Copper-clad aluminum wire
Dielectric	Physically foamed Polyethylene
Outer Conductor	Ring Corrugated Copper
Jacket	PE or fire retardant PE

Physical Dimensions

Inner conductor diameter	4.80±0.05 mm
Dielectric diameter	12.20±0.30 mm
Outer Conductor diameter	13.80±0.20 mm
Jacket Diameter	15.80±0.20 mm

Electrical Specifications

Capacitance	75.8 pF/m
Impedance	50±1 ohms
Inductance	0.19 µH/m
VSWR	≤1.15
Relative propagation velocity	88
Cut-off frequency	8.8 GHz
Peak power	40 KW
DC breakdown voltage	4.0 kV
Insulation resistance	> 5000 MΩ/km
Screening attenuation	>>120dB

Mechanical & Environmental Specifications

Single

Continuance

Bending radius, mm	Repeated	125	
	Moving	350	
Pulling strength, N	1130		
Crush resistance, kg/mm	2.0		
Recommended temperature	PE jacket	Store	-70 C to +85
		Installation	-40 C to +60
	Fire retardant PE jacket	Operation	-55 C to +85
		Store	-30 C to +80
		Installation	-25 C to +60
		Operation	-30 C to +80

Attenuation & Average Power

Frequency MHz	Nom.Attenuation@20C, dB/100m	Power rate @20C, kW
10	0.67	11.3
100	2.17	3.49
450	4.75	1.59
690	5.97	1.338
800	6.46	1.17
900	6.85	1.1
1000	7.28	1.04
1800	10.10	0.753
2000	10.70	0.71
2200	11.24	0.656
2400	11.78	0.620
2500	12.06	0.612
2600	12.34	0.604
2700	12.61	0.595
3000	13.40	0.565

Maximum attenuation value shall be 105% of the nominal attenuation value

