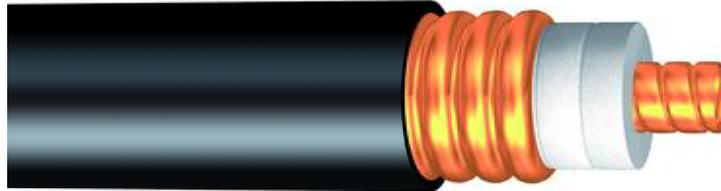




Product specification

HUGHES 1 1/4" LLCF FEEDER CABLE

19-RF3111505



Description

High performance 1 1/4" coaxial cable to be used in RF systems. Low PIM and VSWR leads to higher energy efficiency and lower outer interference. Wide range of applications.

Specification

Construction Materials	
Inner Conductor	Helical copper tube
Dielectric	Physical Foam Polyethylene
Outer Conductor	Corrugated Copper Tube
Jacket	Low Smoke Halogen-free Fire-retardant
Physical Dimensions	
Inner Conductor Diameter	13.80 ± 0.2mm
Dielectric Diameter	33.50 ± 0.4mm
Outer Conductor Diameter	38.00 ± 0.4mm
Diameter Over Jacket	38.60 ± 0.5mm
Mechanical Specifications	
Minimum Bending Radius	
Single Bending	120mm
Repeated Bending	300mm
Minimum Number of Bends	15
Tensile Strength	2000N
Electrical Specifications	
Capacitance	75.0pF/m
Impedance	50 ± 1Ω
Velocity	90%
RF Peak Voltage	4.3 kV
Peak Power Rating	205 KW

The facts and figures contained herein are carefully compiled to the best of our knowledge, but they are intended for general information purposes only.

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Product specification

HUGHES 1 1/4" LLCF FEEDER CABLE

19-RF3111505

Cut-off Frequency	3.8GHz		
Shielding Effectiveness > 10MHz	>120dB		
Insulation Resistance	5000MΩ•km		
VSWR			
	0.8-1.0GHz	≤1.13	
	1.7-2.2GHz	≤1.13	
	2.2-2.7GHz	≤1.15	
	3.3-3.8GHz	≤1.20	
Performance			
Frequency	Attenuation (dB/100m)	Attenuation (dB/100ft)	Average Power Rating (kW)
100	0.87	0.27	12.52
150	1.08	0.33	10.09
200	1.26	0.38	8.67
280	1.50	0.46	7.28
450	1.92	0.59	5.63
800	2.61	0.80	4.12
900	2.79	0.85	3.86
1000	2.95	0.90	3.63
1500	3.70	1.13	2.88
1800	4.11	1.25	2.59
2000	4.37	1.33	2.43
2200	4.62	1.41	2.30
2400	4.86	1.48	2.19
2500	4.99	1.52	2.14
2700	5.22	1.59	2.05
3000	5.57	1.70	1.92
3300	5.88	2.51	1.26
3400	8.42	2.57	1.23
3500	8.58	2.62	1.20
3600	8.74	2.66	1.17
3800	9.05	2.76	1.14
Environmental Specifications			
Storage Temperature	-40~+70°C		
Installation Temperature	-20~60°C		
Operation Temperature	-40~+70°C		

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