SRFS TELEINFRA

Low Loss Flexible HLF 400 Coaxial Cable Tinned Copper

Construction	
Conductor Material	Solid Copper Clad Aluminum
Stranding	1 / 2.74 mm
Dielectric	Foamed Polyethylene (FPE)
Diameter of Dielectric	7.24 mm
Operation Frequency	DC – 8 GHz
Inner Shield	Sealed APA Tape
Outer Shield	34AWG, 90% Tinned Copper
Outer Sheath Material	Low smoke Halogen Free, UV Resistant
Outer Sheath Color	Black
Electrical Characteristics	
Impedance	50Ω
Cutoff Frequency	16.2 GHz
Velocity of Propagation	85%
Dielectric Constant	1.38
Shielding Effectiveness	>90 dB
Withstand Voltage	2.5kV
Jacket Spark	8.0kV (rms)
Capacitance	23.9pF/ft (78.4 pF/m)
Inductance	0.21 µH/m
Conductor Resistance	≤ 4.6 Ω/Km
Outer Conductor Resistance	≤ 5.4 Ω/Km
Return loss (30 – 2800 MHz)	≥ 15 dB
Peak Power	16.0 kW
Physical Characteristics	
Overall Diameter	10.3mm
Min. Bend Radius	24.5mm
Temperature Rating	-30®C to +85®C
Weight	10 kg /km

Drop-in replacement for

Times Microwave LMR400, Commscope CNT400, and RG-8/Belden 9913 cables

Features:

• High-performance coaxial cable with durable Polyethylene jacket

• Jumper Assemblies in Wireless Communications Systems.

• Short Antenna Feeder runs.

• Any application (e.g. WLL, GPS, LMR,WLAN, WISP, WiMax, SCADA, Mobile Antennas) requiring an easily routed,low loss RF cable.

Frequency (MHz)	Attenuation dB/100 ft	dB/100m
30	0.8	2.5
50	1.0	3.2
150	1.5	4.9
220	1.9	6.2
450	2.7	8.8
900	3.9	12.8
1500	5.1	16.7
1800	5.6	18.3
2000	5.9	19.3
2500	6.7	21.9

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