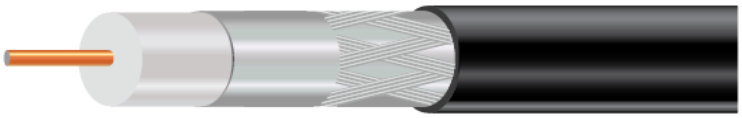
SYNERGY TELECOM PVT. LTD

HLF-400 Cable



Construction

Item	Material	Diameter (inch)	Diameter (mm)
Center Conductor	Solid Copper Clad Aluminum Wire	0.1091 inch	2.77 mm
Dielectric	Foamed Polyethylene	0.285 inch	7.24 mm
Inner Shield	Sealed APA Tape	0.292 inch	7.42 mm
Outer Shield	34AWG, 90% Tinned Copper Braid	0.320 inch	8.12 mm
Jacket	Black PE	0.405 inch	10.29 mm

Electrical & Mechanical Data

Operation Frequency	30 ~ 6000 MHz
Characteristic Impedance	50 Ω
Velocity of Propagation, Nom.	85 %
Capacitance, Nom.	23.9 nF/kft (78.4 nF/km)
Inner Conductor Resistance @ 20℃	1.5 Ω/kft (5.0 Ω/km)
Outer Conductor Resistance @ 20℃	1.6 Ω/kft (5.4 Ω/km)

Attenuation @ 20℃

Frequency	dB/100ft	dB/100m	Avg. Power Rating (Kw)
30 MHz	0.67	2.20	3.33
50 MHz	0.88	2.90	2.57
150 MHz	1.52	5.00	1.47
220 MHz	1.86	6.10	1.20
450 MHz	2.71	8.90	0.83
900 MHz	3.90	12.80	0.58
1500 MHz	5.12	16.80	0.44
1800 MHz	5.67	18.60	0.40
2000 MHz	5.97	19.60	0.37
2500 MHz	6.77	22.20	0.33
5800 MHz	10.82	35.50	0.21

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