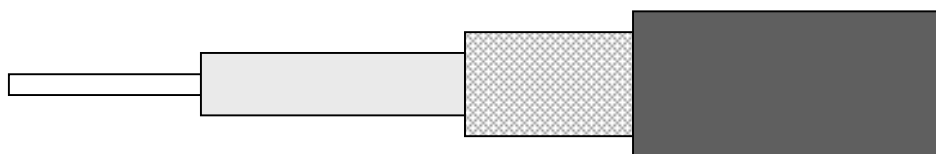


Hills 500 Hardline Coaxial Cable



Construction Specification 750M, 140Kg, 1M cube.

	Material	Diameter (mm)
1. Inner Conductor	Copper Clad Aluminum	2.77
2. Dielectric	Physical Foam Polyethylene	11.43
3. Outer Conductor	Welding Smooth Aluminum Tube	12.70
4. Jacket	Polyethylene or Flame Retardant Polyethylene	14.22
5. Messenger	Steel	2.77

Electrical Characteristics

Capacitance (nF/km)	50
Impedance (ohm)	75
Velocity (%)	88
Inner Conductor DC Resistance(Ω /km)	4.40
Outer Conductor DC Resistance(Ω /km)	1.21
Loop DC Resistance(Ω /km)	5.64
Shielding Effectiveness (dB)	>100
Return loss(\geq dB)	
VHF	23
UHF	20

Mechanical and Environmental Characteristics

Min. Bend Radius (mm)	152
Max. Pulling Tension (kgf)	136
Min. Breaking Strength Of Messenger (kgf)	816
Storage Temp. (\square)	-70to+85
Installation Temp. (\square)	-40to+85
Operating Temp. (\square)	-40to+70

Attenuation (20 , dB/100m)

Frequency (MHz)	Attenuation (dB/100m)
5	0.52
55	1.77
211	3.58
250	3.94
270	4.07
300	4.30
325	4.49
350	4.69
400	5.02
450	5.35
500	5.67
550	5.97
600	6.27
750	7.09
865	7.68
1000	8.27