

HSR600

Construction

Item	Material	Diameter (Inch/mm)	
Inner Conductor	Copper Clad Aluminum	0.176	4.47
Dielectric	Foam PE	0.455	11.56
First Shield	Bonded Aluminum Foil	0.461	11.71
Second Shield	Tinned Copper wire Braid	0.490	12.45
Jacket	PVC or PE (Black)	0.590	14.99

Electrical Characteristics

Impedance (Ω)	50 \pm 3
Capacitance (pF/m)	76.6
Velocity of Propagation (%)	87.0
Return Loss (dB)	\geq 20
Screening Effectiveness (dB)	\geq 90
Inner Conductor DCR (Ω /km)	1.7
Outer Shield DCR (Ω /km)	3.9
Voltage withstand (Volts DC)	4000.0
Spark Test (VRMS)	8000.0
Installation Temp Range ($^{\circ}$ C)	-40 to +85
Operating Temp Range ($^{\circ}$ C)	-40 to +85

Attenuation (@ 20 $^{\circ}$ C)

Frequency (MHz)	Max Attenuation (dB/100ft)	Max Attenuation (dB/100m)
30	0.4	1.4
50	0.5	1.8
150	1.0	3.2
220	1.2	3.9
450	1.7	5.6
900	2.5	8.2
1500	3.3	10.9
1800	3.7	12.1
2000	3.9	12.8
2500	4.4	14.5
5800	7.3	23.8