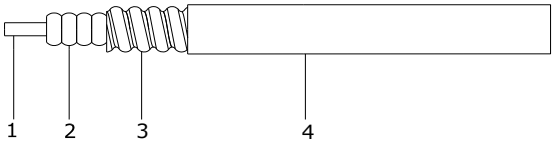
SHC-500LSZH



Construction Specification

	Material	Diameter	
		mm	inch
1. Inner Conductor	Copper Clad Aluminum Wire or Copper	3.60	0.1417
2. Dielectric	Foam PE	8.80	0.3465
3. Outer Conductor	Corrugated Copper Tube	12.10	0.4764
4. Jacket	Low Smoke Zero Halogen	13.40	0.5276

Electrical Characteristics

Impedance	50 ohm	
Velocity of Propagation	81%	
Capacitance)	83 pF/m	25.3 pF/Ft
Peak Power Rating	15.6 KW	
RF Peek Voltage	1.13	
Insulation Resistance	>10000 MΩ.km	
Cutoff frequency	6 GHz	
Insulation Voltage	2.5KV	
Inner Conductor DC Resistance	2.97 Ω/km	
Outer Conductor DC Resistance	6.20 Ω/km	
DC Breakdown Voltage	2500 Vrms	
Jacket Spark	5000 Vrms	
Shieding Effectiveness	>120dB	

Mechanical Characteristics

Min.Bending Radius Single (mm)	25	0.9843
Min.Bending Radius Repeated (mm)	55	2.1654
Cable Weight (g/m)	140	
Tensile Strength	750 N	
Bending Moment	3 NM	
Flat Plate Crush Strength	15 N/mm	

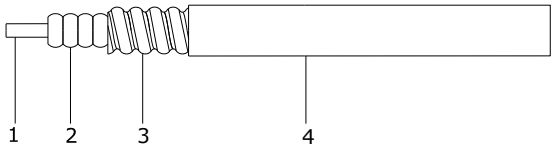
Environmental Characteristics

Operating Temperature Range(℃)	-55~+85
Installation Temp.(℃)	-40~+60
Storage Temperature Range(℃)	-70~+85

PIM

Intermodulation(3rd order, 2 x 20W)	≤-160 dBc

SHC-500LSZH



Attenuation & Average Power @ 20℃ and Seal Leavel

Frequency(MHz)	Attenuation		Power(KW CW)
	dB/100m	dB/100Ft	
100	3.31	1.01	3.16
200	4.84	1.48	2.17
300	6.07	1.85	1.71
400	7.11	2.17	1.47
450	7.59	2.31	1.38
800	10.42	3.18	1.01
900	11.21	3.42	0.95
1000	11.82	3.61	0.89
1800	16.01	4.88	0.63
2000	17.22	5.25	0.60
2200	18.21	5.55	0.56
2700	20.74	6.33	0.50
3000	22.31	6.80	0.46
3500	23.98	7.31	0.44
3800	24.83	7.57	0.42
4000	25.38	7.74	0.41
4500	27.56	8.41	0.37
4800	28.30	8.63	0.35
5000	29.36	8.95	0.34
5500	31.12	9.49	0.33
5800	32.17	9.81	0.32
6000	32.86	10.02	0.31