

SRFS TELEINFRA

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SM 250 CABLE



CONSTRUCTION		
Item	Material	Diameter
Inner Conductor	Solid Silver Plated	1.67 mm
Dielectric	PTFE	5.24 mm
Outer Conductor	Copper, Tin plated	6.3 mm
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ELECTRICAL SPECIFICATION		
Suitable Frequency	Up to 18 GHz	
Impedence	50 Ω	
Capacitance	95 pF/m	
Velocity of signal propagation	71 %	
Signal delay	4.7 ns/m	
Insulation resistance	$\geq 1 \times 10^8$ power 8 M Ω m	
Min. screening effectiveness	> 100 dB (up to 18 GHz)	
Max. operating voltage	3.5 kVrms (at sea level)	
Test voltage	7.5 kVrms (50 Hz/1 min)	
Weight	13.8 kg/100 m	
Min. bending radius (static)	30 mm	
Min. bending radius (repeated)	120 mm	
Temperature range	-65 °C ~ + 165 °C	
RoHS	compliant	

Attenuation and Power		
Freq.(MHz)	dB/100m	Average Power(Watt)
0.9	0.23	0.070
1.8	0.34	0.104
2.7	0.43	0.131
3.6	0.51	0.155
4.5	0.58	0.177
5.4	0.66	0.201
6.3	0.72	0.219
7.2	0.79	0.241
8.1	0.85	0.259
9.0	0.91	0.277
9.9	0.97	0.296
10.8	1.02	0.311
11.7	1.08	0.329
12.6	1.14	0.347
13.5	1.19	0.363
14.4	1.24	0.378
15.3	1.30	0.396
16.2	1.35	0.411
17.1	1.40	0.427
18.0	1.45	0.442

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SRFS Teleinfra | All specifications are subject to change.
SRFS reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal.
It may be necessary to make modifications to the part and/or the documentation of the part to implement improvements.
See www.srfsteleinfra.in for the most current information. Revised: 19 Jan 2023

