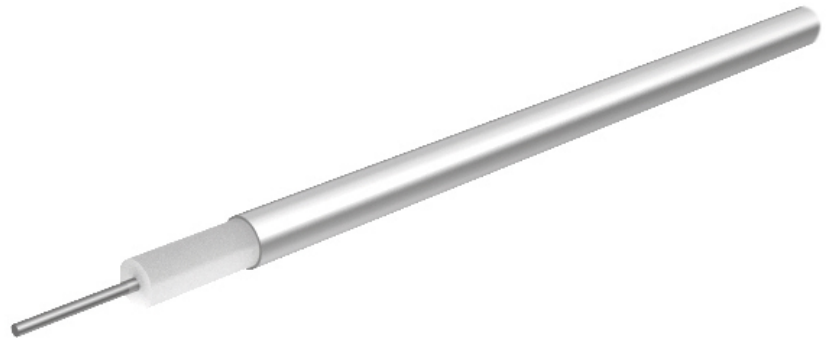


Semi-rigid (RG405) 50 Ohm, 62GHz, 225°C, ø2.2 mm, no jacket

SR_86_LA_TP

Properties

- Formstable cable for precise, time saving installations
- Excellent RF screening performance
- Highly efficient RF signal distribution



Construction			
Component	Material	Detail	Diameter
Centre conductor	Copper, Silver plated	Wire	0.57mm
Dielectric	PTFE-LD		1.68mm
Outer conductor	Copper, Tin plated	Tube, 100%	2.2mm

Electrical data	
Impedance	50 Ω +/-2Ω
Operating frequency	≤ 62 GHz
Inductance	0.2 μH/m
Velocity of signal propagation	76.5 %
Screening effectiveness	120 dB at frequency 0.1 GHz ... 20GHz
Operating Voltage (at sea level)	≤ 1.5 kVrms
Test voltage (50 Hz/1 min)	≤ 2.5 kV

Mechanical data	
Weight	approx. 22.3 g/m
Static bending radius	≥ 6.35 mm

Environmental data	
Operation temperature	-65 °C ... 225 °C
Installation temperature	-20 °C ... 60°C
Fire characteristics	contains halogene

Suitable connectors	
Cable group	U99

HYPER-SHUNED

Semi-rigid (RG405) 50 Ohm, 62GHz, 225°C, Ø2.2 mm, no jacket

SR_86_LA_TP

Ordering information		
Item number	Item description	Available as assembly only
84044068	SR_86_LA_TP	No

Power Matrix			
Calculation: typical Attenuation [formula: (a*f^0.5 + b*f)] and maximum Power CW [formula: (p/f^0.5)]			
a coefficient typical =	0.53493	b coefficient typical =	0.00791
fmax =	62.0	P at 1 GHz =	150.0
Frequency	Nom. attenuation	Nom. attenuation Max.	CW power
GHz	(dB/m)	(dB/ft)	(W)
	sea level 25°C ambient temperature	sea level 25°C ambient temperature	sea level 40°C ambient temperature
0.20	0.241	0.073	335
0.40	0.341	0.104	237
0.60	0.419	0.128	194
0.80	0.485	0.148	168
1.00	0.543	0.166	150
1.20	0.595	0.181	137
1.40	0.644	0.196	127
1.60	0.689	0.210	119
1.80	0.732	0.223	112
2.00	0.772	0.235	106
4.00	1.102	0.336	75
6.00	1.358	0.414	61
8.00	1.576	0.480	53
10.00	1.771	0.540	47
20.00	2.550	0.777	34
40.00	3.700	1.128	24
60.00	4.618	1.408	19
62.00	4.702	1.433	19

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