



This product used for mobile network and telecommunication equipment

Material and dimensions

Inner conductor	Copper Clad Aluminum wire	Ø 1.9 mm
Dielectric	Foam PE	Ø 4.4 mm
Outer conductor	Corrugated copper	Ø 6.4 mm
Jacket	PE, Black, UV resistant, Halogen free	Ø 7.7mm
Ink marking: metric length	RosenbergerSLink™_SL 014S_PE_50Ω_ _ _ _ (DD+MM +SS+YY+NNNNN)_ _ _ _ _XXXXm	

Documents

UV resistance	IEC 60068 2-5:2010, UL 1581
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Electrical Specification

Impedance	50 ± 1 Ω
Relative Velocity of Propagation	83%
Capacitance	80 pF/m
Inductance	0.195 µH/m
Maximum Operating Frequency	20.4 GHz
Cut-off Frequency	22.0GHz
Peak Power Rating	3.94kW
Insulation Resistance	≥ 10 GΩ x km
DC Breakdown Voltage	2000V
Jacket Spark Test Voltage	5000 Vrms
Inner conductor DC-resistance	≤9.8 Ω /km
Outer conductor DC-resistance	≤6.9 Ω /km

Environmental Specification

Installation Temperature	-25°C to +60°C
Operating Temperature	-40°C to +85°C
Storage Temperature	-70°C to +85°C
RoHS	compliant

Mechanical Specification

Tensile strength	500 N
Min. bending radius (single)	25 mm
Min. bending radius (repeated)	45 mm
Number of bends, minimum (typical)	15 (50)
Bending moment	1.5Nm
Flat plate crush strength	8 N/mm
Recommended hanger spacing	0.6 m

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RF_35/05.10/6.0

Technical Data Sheet					Rosenberger																																																	
SLink Cable		1/4"S PE			SL 014S PE																																																	
Standard Conditions Attenuation, Ambient Temperature20°C Average Power, Ambient Temperature40°C Average Power, Inner Conductor Temperature100°C Return Loss Return loss(Band A)≤-26dB 800 to 1000MHz Return loss(Band B)≤-24dB 1700 to 1900MHz Return loss(Band C)≤-24dB 1900 to 2200MHz Return loss(Band D)≤-24dB 2200 to 2500MHz Return loss(Band E)≤-24dB 2500 to 3000MHz Inter modulation (3rd order, 2x20w)≤-116dBm @910MHz or 1800MHz with assembly less than 30m Attenuation <table><tr><th>Frequency (MHz)</th><th>Attenuation (dB/100m)</th><th>Average Power (KW)</th></tr><tr><td>100</td><td>5.95</td><td>1.15</td></tr><tr><td>200</td><td>8.36</td><td>0.83</td></tr><tr><td>300</td><td>10.3</td><td>0.70</td></tr><tr><td>400</td><td>12.4</td><td>0.55</td></tr><tr><td>450</td><td>13.1</td><td>0.53</td></tr><tr><td>800</td><td>17.5</td><td>0.40</td></tr><tr><td>900</td><td>18.5</td><td>0.37</td></tr><tr><td>1000</td><td>19.6</td><td>0.35</td></tr><tr><td>1800</td><td>26.9</td><td>0.26</td></tr><tr><td>2000</td><td>28.5</td><td>0.24</td></tr><tr><td>2200</td><td>30.2</td><td>0.23</td></tr><tr><td>2500</td><td>32.3</td><td>0.23</td></tr><tr><td>2700</td><td>33.7</td><td>0.23</td></tr><tr><td>3000</td><td>35.7</td><td>0.23</td></tr></table> Maximum attenuation value shall be 105% of the nominal attenuation value Other frequencies on request										Frequency (MHz)	Attenuation (dB/100m)	Average Power (KW)	100	5.95	1.15	200	8.36	0.83	300	10.3	0.70	400	12.4	0.55	450	13.1	0.53	800	17.5	0.40	900	18.5	0.37	1000	19.6	0.35	1800	26.9	0.26	2000	28.5	0.24	2200	30.2	0.23	2500	32.3	0.23	2700	33.7	0.23	3000	35.7	0.23
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