



This product used for mobile network and PMR and TETRA applications.

Material and dimensions

Inner conductor	Smooth Copper Tube	Ø 9.4 mm
Dielectric	Foam PE	Ø 22.8 mm
Outer conductor	Overlapping Copper Foil	Ø 23.5 mm
Jacket	Flame Retardant Non Corrosive	Ø 27.2 mm
	Black, UV resistant, Halogen free	
Ink marking: metric length	RosenbergerSLink™_SL_078T_RK_FRNC_50Ω_ "B2ca,s1a,d0,a1" _ _ _ _ (DDMMH1YYNNNNN)_ _ _ _ XXXXm	

Documents

Fire resistance	IEC 60332-1
Smoke index	IEC 61034
Toxicity index	IEC 60754-1 / IEC 60754-2

Electrical Specification

Impedance	50 ± 2 Ω	
Relative Velocity of Propagation	89%	
Capacitance	75 pF/m	
Operating Frequency Range	5-1000 MHz	
Stop Band	480-520 & 720-780 MHz	
Insulation Resistance	≥ 10 GΩ x km	
DC Breakdown Voltage	10000V	
Jacket Spark Test Voltage	8000 Vrms	
Inner Conductor DC-resistance	≤ 2.3 Ω/km	
Outer Conductor DC-resistance	≤ 3.6 Ω/km	
Return Loss	≤ 17.7 dB	75-150 MHz
	≤ 17.7 dB	350-470 MHz
	≤ 17.7 dB	790-960 MHz

Polarization mode

Polarization	Radial	5-150 MHz
	Vertical	300-960 MHz

Environmental Specification

Installation Temperature	-40°C to +80°C
Operating Temperature	-55°C to +85°C
Storage Temperature	-55°C to +85°C
Relative humidity	95%
RoHS	compliant
CPR rating	B2ca-s1a,d0,a1

Mechanical Specification

Cable weight	440 kg/km
Tensile strength	1200 N
Min. bending radius (single)	250 mm
Min. bending radius (repeated)	300 mm
Bending moment	14.9 Nm
Recommended hanger spacing	0.8 m

Standard Conditions

Attenuation test method	IEC 61196-4
Attenuation tolerance	±5%
Attenuation ambient temperature	20 °C
Coupling test method	IEC 61196-4
Coupling loss tolerance	±5%

Attenuation

Frequency (MHz)	Attenuation (dB/100m)	Coupling Loss (2m)	
		50% (dB)	95% (dB)
75	1.30	(57) 60	(67) 70
100	1.60	(59) 62	(63) 66
150	1.90	(60) 63	(69) 73
350	3.00	(59) 62	(62) 65
450	3.25	(62) 65	(67) 70
700	4.30	(58) 61	(63) 66
800	4.70	(57) 60	(59) 62
900	5.00	(55) 58	(58) 61
960	5.30	(55) 58	(57) 60

*coupling losses in brackets show the minimum values

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Ulisses Ferraz	30.07.25	J. Gramsamer	06.08.25	100	25-RL001	U. Ferraz	06.08.25