

Cable type :

Reference :

Cable with standard UV resistant PE jacket,
halogen free according to IEC 60754

CHARACTERISTICS

Material	
Diameter (mm) (in)	
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Diameter (mm) (in)	23.5 (0.93)
Material	corrugated copper tube
Diameter (mm) (in)	25 (0.98)
Thickness (mm) (in)	1.4 (0.06)
Diameter (mm) (in)	27.8 (1.09)

<ul style="list-style-type: none"> • Minimum bending radius <ul style="list-style-type: none"> a) single bending (cm) (in) 10 (3.9) b) 15 repeated bends (cm) (in) 25 (9.8) • Maximum pulling strength (daN) (lb) 130 (292) • Recommended temperature range <ul style="list-style-type: none"> - Storage -70 to +85 °C (-94 to +185 °F) - Installation -40 to +60 °C (-40 to +140 °F) - Operation -55 to +85 °C (-67 to +185 °F) • Max. length per hoisting grip (m) (ft) 70 (230) • Maximum hanger spacing (m) (ft) 1.2 (3.9) • Flat plate crush res. (kg/mm) (lb/in) 1.5 (87) • Bending moment (Nm) (lb-ft) 10 (7.3) • Approximate weight (kg/km) (lb/ft) 4

• Characteristic impedance (Ω)	50 ± 1
• Nominal capacity (pF/m) (pF/ft)	75 (22.9)
• Relative propagation velocity (%)	89
• Inductance ($\mu H/m$) ($\mu H/ft$)	0.187 (0.057)
• DC-resistance at 20°C (68°F)	
- inner conductor (Ω/km) ($\Omega/1000ft$)	1.65 (0.5)
- outer conductor (Ω/km) ($\Omega/1000ft$)	1.31 (0.4)
• RF peak voltage (kV)	2.9
• RF peak power (kW)	86
• Cut-off-frequency (GHz)	5.1
• Insulation resistance (M Ω .km)	>> 5000
• Attenuation^[1] and power rating	

Frequency (MHz)	Attenuation at 20°C (68° F) ^[2]		Mean power rating ^[3] (kW)
	(dB/100m)	(dB/100ft)	
10	0.35	0.107	25.86
20	0.49	0.149	18.22
30	0.61	0.186	14.83
80	1.00	0.305	8.99
100	1.12	0.341	8.02
150	1.38	0.421	6.51
200	1.61	0.491	5.60
300	1.98	0.604	4.54
400	2.31	0.704	3.90
450	2.46	0.750	3.66
500	2.60	0.793	3.46
600	2.86	0.872	3.14
700	3.11	0.948	2.90
800	3.34	1.018	2.69
894	3.55	1.082	2.54
960	3.68	1.122	2.44
1000	3.77	1.149	2.39
1500	4.70	1.433	1.91

$\alpha(f)$ [MHz]