

Twinox, RG22, 95 Ohm, 1 GHz, 85°C, Ø10.7 mm, PVC jacket

RG_22_B/U

Properties

- Twinox cable
- Low loss
- double shielded for better RF screening effectiveness
- According to RG cable standard



Construction			
Component	Material	Detail	Diameter
1st Centre conductor	Copper	Strand-07	1.2 mm
1st Dielectric	PE (Polyethylene)		2.25 mm
2nd Centre conductor	Copper, Tin plated	Strand-07	1.2 mm
2nd Dielectric	PE (Polyethylene)		2.25 mm
Dielectric	PE (Polyethylene)		7.25 mm
Outer conductor	Copper, Tin plated	Braid, 94%	8 mm
Outer conductor	Copper, Tin plated	Braid, 95%	8.7 mm
Jacket	PVC II (low migration)	RAL 9005 - bk	10.7 mm +/- 0.2 mm

Electrical data	
Impedance	95 Ω +/- 5Ω
Operating frequency	≤ 1 GHz
Capacitance	53 pF
Velocity of signal propagation	66 %
Signal delay	5 ns/m
Insulation resistance	> 100000000 MΩ*m
Operating Voltage (at sea level)	≤ 1 kVrms
Test voltage (50 Hz/1 min)	≤ 2 kVrms

Mechanical data	
Weight	approx. 176 g/m
Static bending radius	≥ 55 mm
Repeated bending radius	110 mm (bendings, up to 50)
Dynamic bending radius	≥ 220 mm

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Environmental data	
Operation temperature	-25 °C ... 85 °C
Installation temperature	-20 °C ... 60 °C

Additional Information

MIL reference: M17/182-00001 (former reference: M17/15-RG022)

Suitable connectors

Cable group	U99
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Ordering information

Item number	Item description	Available as assembly only
22510010	RG_22_B/U	No

Power Matrix

Calculation: typical Attenuation [formula: $(a \cdot f^{0.5} + b \cdot f)$] and maximum Power CW [formula: $(p/f^{0.5})$]

a coefficient typical =		b coefficient typical =	
fmax =	1	P at 1 GHz =	
Frequency	Nom. attenuation	Nom. attenuation	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
Unable to calculate if a value is not set			

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