

Twinaxial cable RG_22_B/U-05

Description

RG: RG type RF cables

RG22 twinax, 95 Ohm, 0.2 GHz, 85°C, ø10.7 mm, RADOX® jacket, Flame retardant, Railway qualified



Technical Data

Construction

	Material	Detail	Diameter
1 st Centre conductor	Copper	Strand-07	1.2 mm
1 st Dielectric	PE (Polyethylene)		2.25 mm
2 nd Centre conductor	Copper, Tin plated	Strand-07	1.2 mm
2 nd Dielectric	PE (Polyethylene)		2.25 mm
Dielectric	PE (Polyethylene)		typ. 7.25
Outer conductor	Copper, Tin plated	Braid, 94%	8.2 mm
Outer conductor	Copper, Tin plated	Braid, 95 %	8.9 mm
Jacket	RADOX EM104	RAL 3027 - rd	10.7 mm +/- 0.2

Print: HUBER+SUHNER RG 22 B/U-05 LUL 95 Ohm (production order number)

Electrical Data

Impedance	95 Ω +/- 5
Max. operating frequency	0.2 GHz
Capacitance	53 pF/m
Velocity of signal propagation	66.5 %
Insulation resistance	≥ 1 x 10 ⁸ MΩm
Max. operating voltage	1 kV _{rms} (at sea level)
Test voltage	2 kV _{rms} (50 Hz/1 min)

Mechanical Data

Weight	17.6 kg/100 m
Min. bending radius	static 55 mm
	repeating (for max. 50 bendings) 110 mm
	dynamic 220 mm

Environmental Data

Temperature range	-40 °C to +85 °C
Installation temperature	-20 °C to +60 °C
Flammability	IEC 60332-1, IEC 60332-3-25,
Smoke density	EN 61034-2
Halogen test	IEC 60754
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

Additional Information

EN 45545 compliant hazard level for indoor cables: HL3 NFPA-130 compliant MIL reference: M17/182-00001 (former reference: M17/15-RG022)

Twinaxial cable RG_22_B/U-05

Ordering Information

Order as	RG_22_B/U-05
----------	--------------

Remarks

(For details refer to the HUBER+SUHNER RF CABLES GENERAL CATALOGUE or contact your nearest HUBER+SUHNER partner)

Suitable Connectors

Cable group	U99 Customer Specific
-------------	-----------------------