## **Data Sheet**

# **HUBER+SUHNER**

### Twinaxial cable RG\_22\_B/U

### Description

RG: RG type RF cables

RG22 twinax, 95 Ohm, 1 GHz, 85°C, ø10.8 mm, PVC jacket

### **Technical Data**

#### Construction

	Material	Detail	Diameter
1 <sup>st</sup> Centre conductor	Copper	Strand-07	1.2 mm
1 <sup>st</sup> Dielectric	PE (Polyethylene)		2.25 mm
2 <sup>nd</sup> Centre conductor	Copper, Tin plated	Strand-07	1.2 mm
2 <sup>nd</sup> Dielectric	PE (Polyethylene)		2.25 mm
Dielectric	PE (Polyethylene)		typ. 7.25
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	10.8 mm +/- 0.15

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

#### **Electrical Data**

Impedance			95 Ω +/- 5
Max. operating frequency			1 GHz
Capacitance			53 pF/m
Velocity of signal propagation			66 %
Signal delay			5 ns/m
Insulation resistance			≥ 1 x 10 <sup>8</sup> MΩm
Max. operating voltage			1 kV <sub>rms</sub> (at sea level)
Test voltage			2 kV <sub>rms</sub> (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	-25 °C to +85 °C		
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant		
Additional Information			

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

 Ordering Information

 Order as
 RG\_22\_B/U

#### Remarks

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



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#### Suitable Connectors

Cable group

U99 Customer Specific

# **HUBER+SUHNER**

HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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