Data Sheet

HUBER+SUHNER

Twinaxial cable
RG_108_A/U

Description

RG: RG type RF cables

RG108, 78 Ohm, 1 GHz, 85°C, ø6 mm, PVC jacket

Technical Data

Construction

	Material	Detail	Diameter
1st Centre conductor	Copper	Strand-07	0.93 mm
1st Dielectric	PE (Polyethylene)		2 mm
2nd Centre conductor	Copper, Tin plated	Strand-07	0.93 mm
2nd Dielectric	PE (Polyethylene)		2 mm
Outer conductor	Copper, Tin plated	Braid, 88%	4.6 mm
Jacket	PVC II (low migration)	RAL 9005 - bk	6 mm

Print: HUBER+SUHNER RG 108 A/U 78 Ohm (production order number)

Electrical Data

Impedance	78 Ω +/- 7
Max. operating frequency	1 GHz
Capacitance	65 pF/m
Velocity of signal propagation	66 %
Signal delay	5 ns/m
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		4.9 kg/100 m
Min. bending radius	static	30 mm
	repeating (for max. 50 bendings)	60 mm

Environmental Data

Temperature range	-25 °C to +85 °C
Installation temperature	-20 °C to +60 °C
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

Additional Information

MIL reference: M17/186-00001 (former designation: M17/45-RG108)

Ordering Information

Order as	RG_108_A/U

Remarks

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

Suitable Connectors

Cable group	V1 2 mm / 78 Ohm

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