

# Twinax, RG108, 78 Ohm, 1 GHz, 85°C, Ø6 mm, PVC jacket

## RG\_108\_A/U

### Properties

- Excellent RF performance for precision applications
- Suitable for use in application up to 1 GHz
- 78 Ohm characteristic impedance



Construction			
Component	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

Electrical data	
Impedance	78 Ω +/-7Ω
Operating frequency	≤ 1 GHz
Capacitance	65 pF/m
Velocity of signal propagation	66 %
Signal delay	5 ns/m
Insulation resistance	1000000000 MΩ*m
Operating Voltage (at sea level)	≤ 1 kVrms
Test voltage (50 Hz/1 min)	≤ 2 kVrms

Mechanical data	
Weight	approx. 49 g/m

Environmental data	
Operation temperature	-25 °C ... 85 °C
Installation temperature	-20 °C ... 60 °C
Fire characteristics	contains halogene

**Twinax, RG108, 78 Ohm, 1 GHz, 85°C, ø6 mm, PVC jacket**  
RG\_108\_A/U**Suitable connectors**

Cable group VI

**Ordering information**

Item number	Item description	Available as assembly only
22510031	RG_108_A/U	No

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