# Data Sheet

## Twinaxial cable
## RG_108_A/U

## Description

RG: RG type RF cables

Twinax, 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 (PA no.)

### 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) | compliant |

## Additional Information

### 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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