Product Description

RG series
DUAL SHIELDED (aluminium foil plus tinned copper braid shield), TRISHEILD (aluminium foil plus tinned copper braid shield plus aluminium foil) and QUADSHIELD (aluminium foil plus tinned copper braid shield plus aluminium foil plus tinned copper braid) coaxial cable in 50- and 75-ohm variants, for broadband, Internet service provider, rural telephony and satellite communication applications

Application: OEM jumpers, BTS inter-cabinet connections

Features/Benefits

Technical Features

Structure
Cable Type: Foam-Dielectric, Braid/Foil Shield
Size: 9/64"
Inner conductor: Copper Wire [mm (in)] 1.06 (0.04)
Dielectric: Foam Polyethylene [mm (in)] 2.95 (0.12)
Outer conductor: 1st shield: Al/PET foil bonded to the core with 100% of coverage; 2nd shield: Tinned copper braid with 75% of coverage [mm (in)] 3.6 (0.14)
Jacket: Polyethylene, PE [mm (in)] 5 (0.2)

Mechanical Properties
Weight, approximately [kg/m (lb/ft)] 0.03 (0.02)
Minimum bending radius, single bending [mm (in)] 25.4 (1)
Minimum bending radius, repeated bending [mm (in)] 100 (3.94)

Electrical Properties
Characteristic impedance [Ω] 50 +/- 2
Relative propagation velocity [%] 82
Capacitance [pF/m (pF/ft)] 82 (25)
Inductance [µH/m (µH/ft)] 0.205 (0.062)
Max. operating frequency [GHz] 2.4
DC-resistance inner conductor [Ω/km (Ω/1000ft)] 21.5 (6.56)
DC-resistance outer conductor [Ω/km (Ω/1000ft)] 23.81 (7.26)

Recommended Temperature Range
Storage temperature [°C (°F)] -70 to 85 (-94 to 185)
Installation temperature [°C (°F)] -40 to 60 (-40 to 140)
Operation temperature [°C (°F)] -50 to 85 (-58 to 185)

Other Characteristics
Fire Performance: Halogen Free
Other Options:

Frequency | Attenuation | av. nom. Power
| MHz | dB/100m | dB/100ft |
| 10 | 3.70 | 1.13 |
| 30 | 5.70 | 1.74 |
| 50 | 7.30 | 2.23 |
| 100 | 10.4 | 3.17 |
| 200 | 15.0 | 4.57 |
| 400 | 21.2 | 6.46 |
| 600 | 26.0 | 7.92 |
| 800 | 30.8 | 9.39 |
| 1000 | 35.4 | 10.8 |

All information contained in this present datasheet is subject to confirmation at time of ordering.