

GAALNET® COAXIAL 50 Ohm RT52

EN 50575:2014 + A1:2016, Eca



ELETTROTEK KABEL® GAALNET® COAXIAL 50 Ohm RT52, Eca



Construction:

| | |
|-------------------------------|--|
| Conductor: | solid plain annealed copper conductor Cl. 1, 1x2,5 mm |
| Insulation: | PEE compound |
| Colour core: | natural |
| 1st screen: | plain annealed copper tape, 100% coverage, + PET tape |
| 2nd screen: | plain annealed copper braid, 95% coverage |
| Outer sheath: | black (similar RAL 9005), PVC compound |

Features:

acc. to EN 50117
acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca
classification (CEI UNEL 35016), EN 13501-6
RoHS and CE approval



Technical data:

| | |
|----------------------------------|--------------------------------|
| Nominal voltage: | U ₀ /U 0,6/1 kV |
| Temperature range: | -20°C up to +70°C |
| Min. bending radius: | 150 mm (<i>fixed laying</i>) |
| D.C. resistance max.: | |
| <i>inner:</i> | 3,8 Ohm/km |
| <i>outer:</i> | 5,3 Ohm/km |
| Impedance: | 50 ± 3 Ω |
| Capacitance: | 82 pF/m ± 2 |
| Velocity of propagation: | 85% |
| Min. return loss: | |
| <i>from 5 up to 470 MHz:</i> | 26 |
| <i>from 470 up to 1000 MHz:</i> | 24 |
| <i>from 1000 up to 2000 MHz:</i> | 20 |
| <i>from 2000 up to 3000 MHz:</i> | 18 |
| Transfer imp. (TI): | |
| <i>from 5 up to 30 MHz:</i> | max. 2,5 mΩ/m |
| Screening Att. (AS): | |
| <i>from 30 up to 1000 MHz:</i> | min. 100 dB |
| <i>from 1000 up to 2000 MHz:</i> | min. 110 dB |
| <i>from 2000 up to 3000 MHz:</i> | min. 95 dB |

ELECTRICAL CHARACTERISTICS AT 20°C

| Frequency MHz | Attenuation dB/100 m |
|------------------|----------------------|
| 50 | 0,9 |
| 200 | 2,9 |
| 300 | 6 |
| 470 | 9,3 |
| 862 | 13,1 |
| 1000 | 14,6 |
| 1750 | 20,3 |
| 2400 | 24,6 |

| Part no. | Nominal cross-section no. of pairs x mm ² | Outer-Ø ca.mm ± 10% | Copper weight kg/km | Cable weight approx. kg/km |
|----------------|---|---------------------------|------------------------|-------------------------------|
| 80220G7H010M50 | 1 x 2,5 | 10 | 88,5 | 145 |

Other dimensions and colours available on request.