

GAALNET® COAXIAL RG59/U



ELETTROTEK KABEL® GAALNET® COAXIAL RG59/U

Construction:

| | |
|----------------------|--|
| Conductor: | solid copper clad steel conductor, 1x0,58 mm |
| Insulation: | PE compound |
| Colour core: | natural |
| Screen: | plain annealed copper braid, 46% |
| Outer sheath: | black (similar RAL 9005) or white (similar RAL 9003), PE compound |

Features:

acc. to MIL Standard
UV resistant
RoHS and CE approval



Technical data:

| | |
|----------------------------------|---------------------------------|
| Nominal voltage: | 100 V |
| Temperature range: | -30°C up to +70°C |
| Min. bending radius: | |
| <i>fixed laying:</i> | 30 mm |
| <i>flexible installation:</i> | 60 mm |
| D.C. resistance: | |
| <i>inner:</i> | 310 Ohm/km |
| <i>outer:</i> | 33,7 Ohm/km |
| Impedance: | 75 ± 3 Ω |
| Capacitance: | 66 pF/m ± 2 |
| Velocity of propagation: | 66% |
| Min. return loss: | |
| <i>from 30 up to 300 MHz:</i> | 28 |
| <i>from 300 up to 1000 MHz:</i> | 25 |
| <i>from 1000 up to 2000 MHz:</i> | 20 |
| <i>from 2000 up to 3000 MHz:</i> | 18 |
| Screening efficiency: | |
| <i>from 5 up to 30 MHz:</i> | Transfer imp. (TI): / |
| <i>from 100 up to 900 MHz:</i> | Screening Att. (AS): min. 55 dB |

ELECTRICAL CHARACTERISTICS AT 20°C:

| Frequency MHz | Attenuation dB/100 m |
|------------------|----------------------|
| 50 | 7,7 |
| 200 | 16 |
| 300 | 19,9 |
| 470 | 25,4 |
| 862 | 35,3 |
| 1000 | 38,7 |

| 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 |
|----------------|--|---------------------------|---------------------------|----------------------------------|
| 80060B7H010905 | 1 x 0,6 | 6,15 | 4,7 | 42 |

Other dimensions and colours available on request.