

GAALNET® MINI-COAXIAL 75 Ohm + CTRL 300/500 V

Screened cable for audio/video data transmission, acc. to CEI UNEL 36762 C-4 (U_o = 400 V), EN 50575:2014 + A1:2016, Eca

ELETTROTEK KABEL® GAALNET® MINI-COAXIAL 75 Ohm + CTRL 300/500 V, Eca

Construction:

Conductor (coax):	solid plain annealed copper conductor Cl. 1, 1x0,40 mm
Conductor (power):	stranded plain annealed copper conductor
Insulation (power):	PVC type T11
Insulation (coax):	PEE compound
Colour cores (power):	red + black
Colour core (coaxial):	natural
Stranding:	in layers
Screen (power):	aluminium/PET tape + tinned copper drain wire
Screen (coaxial):	aluminium/PET tape + tinned copper braid, 65% covering
Outer sheath (coaxial):	blue (similar RAL 5015) or black (similar RAL 9005), halogen-free compound, type M1
Outer sheath:	white (similar RAL 1013), PVC type TM2

Resistance:



Flame and fire retardant acc. to:
CEI 20-35, IEC 60332-1
CEI 20-22 II, IEC 60332-3

Technical data:

Nominal voltage U_o/U:	300/500 V
Test voltage:	
<i>conductors:</i>	4 kV x 5 min
<i>sheath:</i>	5 kV x 5 min
Temperature range:	-10°C up to + 70°C
Min. bending radius	10 x d
Conductor resistance (coax):	Max. 140/42 Ohm/km
Conductor resistance (power):	
<i>0,50 sqmm:</i>	39 OHm/km at 20°C
<i>0,75 sqmm:</i>	26 OHm/km at 20°C
<i>1 sqmm:</i>	19,5 OHm/km at 20°C
Impedance:	75 ± 3 Ω
Capacitance:	52 pF/m +/-2
Return loss dB:	
<i>from 5 up to 70 MHz:</i>	max. 28
<i>from 470 up to 1000 MHz:</i>	max. 20
<i>from 1000 up to 3000 MHz:</i>	max. 16
Propagation speed:	85%

Features:

insulation and jacket acc. to CEI 20-11
compound lead free acc. to CEI 20-52
acc. to CPR UE 305/11, EN 50575:2014 + A1:2016, Eca
classification (CEI UNEL 35016), EN 13501-6
suitable for installation in a single conduit
or channel or bridge, without interposing
separators, with cable system of Category I°
marked "450/750" or "0,6/1 kV" (as required by CEI-UNEL 36762)
RoHS and CE approval



ELECTRICAL CHARACTERISTICS:

Frequency MHz	Attenuation dB/100 m
1	1,6
3,6	3,1
10	5
71,5	12,7
88,5	14,1
135	17,5
180	20,2
270	24,9
360	28,8
540	35,5
720	41,3
750	42
1000	48,9
1500	61,5
2250	80

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
86010DWM01BM01	1x0,14 + 2x0,5	6,2	11	57
86011DWM01BM01	1x0,14 + 2x0,75	6,5	16	63
86012DWM01BM01	1x0,14 + 2x1	7,5	21	76

Other dimensions and colours available on request.