

GAALNET® SAT-COAXIAL CCS 100 V

CCS-AL/PET/AL-CuSn BRAID-PVC, EN 50575:2014 + A1:2016, Eca

ELETTROTEK KABEL® GAALNET® SAT-COAXIAL CCS 100 V, Eca

Construction:

Conductor:	solid copper clad steel conductor, 1x0,41 mm
Insulation:	PEE compound
Colour core:	blue
Screen:	Al/PET/Al + tinned copper braid, 55% coverage
Wrapping:	PET tape
Outer sheath:	white (similar RAL 9003), PVC compound

Features:

acc. to standard EN 50117-2-4
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:	100 V
Test voltage:	3 kV
Temperature range:	-20°C up to +70° C
Min. bending radius	
<i>single bend:</i>	15 mm
<i>multiple bend:</i>	30 mm
D.C. resistance max.:	
<i>inner:</i>	620 Ohm/km
<i>outer:</i>	35 Ohm/km
Tensile strength:	120 N
Characteristic impedance:	75 Ω ± 3 Ω
Capacitance:	55 ± 2 pF/m
Velocity ratio:	83 %
Return loss (min.):	
<i>from 5 up to 470 MHz:</i>	26 dB
<i>from 470 up to 1000 MHz:</i>	23 dB
<i>from 1000 up to 2000 MHz:</i>	18 dB
Transfer imp. (TI):	
<i>from 5 up to 30 MHz:</i>	max. 15 mΩ/m
Screening Att. (AS):	
<i>from 30 up to 1000 MHz:</i>	min. 75 dB
<i>from 1000 up to 2000 MHz:</i>	min. 80 dB
<i>from 2000 up to 3000 MHz:</i>	min. 65 dB

ELECTRICAL CHARACTERISTICS AT 20°C

Frequency MHz	Attenuation dB/100 m
5	3,9
50	10,9
200	21,2
470	33,2
862	45,1
1000	48,7
1750	65,4
2150	73
2400	77,4
3000	87

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
84030BWN010927	1 x 0,41	3,6	3,4	15,8

Other dimensions and colours available on request.