



CH (2(2 Li9Y 0,50qmm) + 3 Li9Y 2,50qmm) VI11Y

2 CAN bus wire pairs (2 Li9Y 0.50 mm²):

Cu strand: 16 x 0.20 mm Ø bare
Core insulation: PP 1.8 +/- 0.05 mm Ø
Core colours: based on DIN 47100 (wh, br, gn, ye)
Pair stranding: 2 x 2 cores 0.50qmm in pairs (wh/br), (gn/ye)

3 single cores Li9Y 2.50qmm

Cu strand: 50 x 0.25 mm Ø bare
Core insulation: PP 2.85 +/- 0.1 mm Ø
Wire colours: DIN 47100 continuing (gr,pk,bl)

overall management:

Stranding: 2 pairs of wires + 3 wires around filler + PES fleece
Sheath insulation: TPE-U 9.95 +/- 0.3 mm Ø
Sheath color: black similar to RAL 9005, satin finish
Cable weight: approx. 150 kg/km

Mechanical properties:

for flexible use

bending radii:

> 7.5 x cable outer diameter (permanently installed)
> 15 x cable outer diameter (moving)

Temperature range:

permanently installed: -40 to +80°C
moving: -20 to +80°C

Electrical Properties:

Rated Voltage: 300V
Test voltage: 3000 V AC (spark test online)
Conductor resistance 0.50qmm: max. 39 Ohm/km (20°C)
Conductor resistance 2.50qmm: max. 8 Ohm/km (20°C)
Insulation resistance: min. 1000 MOhm x km (20°C)
wire pairs:
Wave resistance: calc. approx. 120 ohms (f=1MHz)

Electrical values were calculated and may deviate.

Supplementary:

Management:

Halogen-free according to DIN VDE 0472 part 815 and DIN EN 60754-1
PWIS-free
A coat:

oil-resistant according to DIN EN 60811-404 (168h 100°C)
UV and weather resistant (color may fade)
Hydrolose and microbe resistant
generally good chemical resistance

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- Further formats available on request
 - All data and products subject to change