



Combi CanBus 1x2x0,64+4x1,5 (L) 2YS2Y sw/9005

Construction 1x2x0,64

- Conductor: Bare solid copper wire
diameter around 0.64 mm; Cross-section around 0.32 qmm
- Insulation: Polyethylene foam skin according to DIN EN 50290-2-23
- Core colours: green-red
- Stranding: 2x core and 2x filler/filler for VVB
- Wrapping: 1 layer of plastic film, overlapped, running lengthwise
- Shield: One layer of aluminum composite foil, overlapped, running lengthwise
Aluminum sides on the outside, braiding of tinned copper wires
single wire diameter 0.1 mm; optical coverage > 60%
- Sheath: PVC mixture according to DIN EN 50290-2-22
Colour: violet - RAL 4001

Construction 4x core 1,5 qmm

- Conductor: bare copper wires; Wire 30x0.25mm
diameter around 1.6 mm; Cross-section around 1.5 qmm
- Insulation: PVC mixture according to DIN EN 50290-2-21
- Core colour: 3 x black + number printing white; 1x green-yellow

Construction VVB + (L)2YB2Y

- Stranding: Profibus 1x2x0.64 + 4x core 1.5 mm² + 9x filler/filler
to the stranding association (VVB); Arrangement variable0
- Wrapping: At least one layer of plastic film, overlapped (longitudinal or braided)
- Layered jacket: Polyethylene-coated, longitudinally running
aluminum tape and
Sheath: Polyethylene L/MD according to DIN EN 50290-2-24
wall thickness: 1.2 ± 0.2mm; Colour: black - RAL 9005
- Reinforcement: one layer of galvanized steel strip; Thickness: 0.2mm; Space about 2 mm
- Protective cover: Polyethylene L/MD according to DIN EN 50290-2-24
wall thickness: 1.4 ± 0.2mm; Colour: black - RAL 9005
- Dimensions: Outer diameter: approx. 19.4 ± 0.8 mm (RW)
Weight: around 375 kg/km (RW)

Properties / operating conditions 1x2x0.64:

- Loop conductor resistance: 115 Ω/km max
- Insulation resistance: 5 GΩ/km min
- Operating capacitance: 30nF/km max
- Characteristic impedance: 150 ± 15Ω
- Coupling loss: > 80dB
- Coupling resistance at 10MHz: < 20mΩ/m
- Test voltage: 1500 V - 50 Hz - 1 min
- Peak Operating Voltage: 250V

Properties / conditions of use core 1.5 qmm:

- Conductor resistance: 13.3 Ω/km max
- Insulation resistance: 20 MΩ/km min
- Test voltage: 3000 V - 50 Hz - 1 min

- Rated voltage U0/U: 300 / 500 V

Properties / conditions of use

- Temperature range: flexible -20 °C to +50 °C
permanently installed max. +70 °C
- Bending radius: 15x cable diameter

Special cable with rodent protection and protective cover

Laying in cable ducts and ducts as well as outdoors and in the ground; Cross-waterproof cable core

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