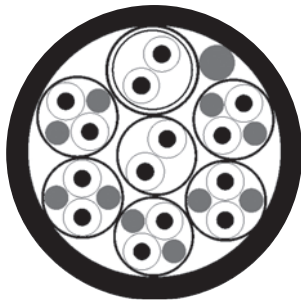




Type Cable structure

Profibus:
DeviceNet™:
Power cores 1:
Power cores 2:
Protective earth core:
Stranding:
Total shielding:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

Multibus II, 15 cores high flexible

1 x 2 x 0,34 mm² (Foam-Skin PO/rd/gn)
4 x 2 x 0,34 mm² (Foam-Skin PE/ye, or, wh, bu-ye, or, wh, bu)
2 x 1,0 mm² (PO/rd, bl)
2 x 1,5 mm² (PO/bu, bn)
1,5 mm² (PO/gnye)
Single cores totally stranded together and filled with plastic elements
PP vlies
PUR, halogenfree
app. 15,0 mm
violet similar to RAL 4001

Electrical data

Characteristic impedance:

Conductor resistance:

Insulation resistance:

Mutual capacitance:

Testvoltage:

150 + -15 Ohm (Profibus)
100 + -15 Ohm (PROFinet)
≤ 20 Ohm/km (power cores + protection core)
≤ 70 Ohm/km (Profibus)
≤ 62 Ohm/km (PROFinet)
≥ 500 Mohm x km (at 20° C)
30 pF/m nominal (Profibus)
40 pF/m nominal (PROFinet)
2500 V (core/ core)
1500 V (core/ screen)

Mechanical data

Bending radius single:
Bending radius repeated:
Tensile strength static:
Tensile strength dynamic:
Oil resistance:
Flame resistance:
FCKW free:
Self extinguishable:
Other attributes:

≤ 70 mm
≤ 110 mm
300 N
140 N
Diesel, Biodiesel, ASTM-Öl 1, ASTM-Öl 2, Vitam EHF, Biohydran
HD 405.1, IEC 60332-1, VW1/ FT1 acc. C-UL
yes
yes
PVC free, free of lacquer wetting disturbing substances, siliconfree,
resistant against PVC flexibiliser and cable fat RB1

Thermal attributes

Operating temperature range:
Laying temperature range:

- 40° C to + 80° C
- 20° C to + 80° C

Norms

UL-Style

Application

Part no.

Profibus standard, PROFinet standard

VW1/ FT1 acc. C-UL

Drag chains, torsion applications (according HELU specification)

804115, Multibus II, 15 cores