



Type Cable structure

Profibus:
DeviceNet™:
Interbus:
Energie cores:
Protective earth core:
Stranding:
Total shielding:
Outer sheath material:
Cable external diameter:
Outer sheath colour:

Multibus cable, 15 cores high flexible

1 x 2 x 0,29 mm² (Foam-Skin PO/rd/gn)
2 x 2 x 0,25 mm² (Foam-Skin PO/wh/bl, rd/bl)
2 x 2 x 0,25 (Foam-Skin PO/ gn/pk, ye/gn)
4 x 1 x 1,0 mm² (PO/rd, bl, bu, bn)
1,0 mm² (PO/gnye)
Single cores totally stranded together and filled with plastic elements
PP vlies
PUR, halogenfree
app. 14,7 mm
violet similar to RAL 4001

Electrical data

Characteristic impedance:

150 + -15 Ohm (Profibus)
120 + -12 Ohm (DeviceNet™)
100 + -15 Ohm (Interbus)

Conductor resistance:

<= 20 Ohm/km (Energie cores + protectiv earth core)
<= 70 Ohm/km (Profibus)
<= 70 Ohm/km (DeviceNet™)
<= 80 Ohm/km (Interbus)

Insulation resistance:

>= 500 Mohm x km (at 20° C)

Mutual capacitance:

30 pF/m nominal (Profibus)
40 pF/m nominal (DeviceNet™)
50 pF/m nominal (Interbus)

Testvoltage:

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

Profibus standard, DeviceNet™ standard, Interbus standard

UL-Style

VW1/ FT1 acc. C-UL

Application

Drag chains, torsion applications (according HELU spezifikation)

Part no.

801652, Multibus 15 cores