



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/bn)
2 x 2 x 0,25 (Foam-Skin PO/ wh/bn, 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. 14,5 mm
violet similar to RAL 4001

Electrical data

Characteristic impedance:

150 + -15 Ohm (Profibus)
120 + -12 Ohm (DeviceNet™)
100 + -15 Ohm (Interbus)
≤ 20 Ohm/km (Energie cores + protectiv earth core)
≤ 70 Ohm/km (Profibus)
≤ 80 Ohm/km (DeviceNet™)
≤ 80 Ohm/km (Interbus)
≥ 500 Mohm x km (at 20° C)
30 pF/m nominal (Profibus)
40 pF/m nominal (DeviceNet™)
50 pF/m nominal (Interbus)
2500 V (core/ core)
1500 V (core/ screen)

Conductor resistance:

Insulation resistance:

Mutual capacitance:

Testvoltage:

Mechanical data

Bending radius single: ≤ 70 mm
Bending radius repeated: ≤ 110 mm
Tensile strength static: 300 N
Tensile strength dynamic: 140 N
Oil resistance: Diesel, Biodiesel, ASTM-Öl 1, ASTM-Öl 2, Vitam EHF, Biodran
Flame resistance: HD 405.1, IEC 60332-1, VW1/ FT1 acc. C-UL
FCKW free: yes
Self extinguishable: yes
Other attributes: PVC free, free of lacquer wetting disturbing substances, siliconfree, resistant against PVC flexibiliser and cable fat RB1

Thermal attributes

Operating temperature range: - 40° C to + 80° C
Laying temperature range: - 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 specifikation)

Part no.

801652, Multibus 15 cores