



Reference: 10552895
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CONTACT

Market information
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Profibus cable with PUR jacket for drag chain applications, shielded, oil resistant, flame retardant MOTIONLINE® ADVANCED

STANDARDS

Product EN 60158; UL and CSA approval

Applications

Bus cable family facilitating interconnections for L2 BUS components.

Normative references

Oil resistant

IEC 50363-10-2

Flame retardant

IEC 60332-1-2; FT1; UL 1581; EN 50265-2-1



Operating temp.
 -20 ... 80 °C



Storage temperature, range
 -30 ... 80 °C



Oil resistance
 EN 50363-10-2



Flame retardant
 IEC/EN 60332-1-2; FT1; UL 1581 FT1

CHARACTERISTICS

Construction characteristics

| | |
|-----------------------------------|----------------------------------|
| Construction type | (1x2x0,64/2,55)C |
| Conductor material | Bare copper |
| Insulation | Polyolefin |
| Insulation colour | Green - Red |
| Material of filler / inner sheath | Thermoplastic material |
| Taping | Aluminium / Polyester tape |
| Shielding | 80% tinned copper braid coverage |
| Separator | Non woven tape |
| Sheath colour | Violet RAL 4001 |
| Outer sheath | PUR |

Dimensional characteristics

| | |
|--------------------|----------|
| Copper content | 27 kg/km |
| Outer Diameter | 7.8 mm |
| Approximate weight | 62 kg/km |

Electrical characteristics

| | |
|---------------------------------|---------|
| Rated Voltage U ₀ /U | 30 V |
| Test voltage | 500 V |
| Characteristic impedance | 150 Ohm |

Transmission characteristics

| | |
|------------------------|--------------|
| Attenuation at 9.6kHz | 3 dB/1000m |
| Attenuation at 38.4kHz | 4.5 dB/1000m |
| Attenuation at 4MHz | 25 dB/1000m |
| Attenuation at 16 Mhz | 49 dB/1000m |

Mechanical characteristics

| | |
|----------------------|---------------------|
| Bending cycles | 5 Mio. |
| Speed | 240 m/min |
| Maximum acceleration | 20 m/s ² |

Usage characteristics

| | |
|--|------------------------------------|
| Field of application | Dynamic |
| Minimum dynamic operating bending radius | 10 (xD) |
| Operating temperature, range | -20 ... 80 °C |
| Storage temperature, range | -30 ... 80 °C |
| Oil resistance | EN 50363-10-2 |
| Flame retardant | IEC/EN 60332-1-2; FT1; UL 1581 FT1 |