



**Reference:** 10552895  
**Country Ref.:** 13-DRX24X02P  
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### CONTACT

Market information  
 industryprojects.business@lynxéogroup.com

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 <sub>0</sub> /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 <sup>2</sup>

### 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