



### CONTACT

Market information  
[industryprojects.business@lynxgroup.com](mailto:industryprojects.business@lynxgroup.com)

### PROFIBUS HYBRID PUR CABLE

Profibus hybrid cable with PUR jacket for drag chain applications, shielded, oil resistant, flame retardant

### STANDARDS

**Product** UL and CSA approval

### Applications

Bus cable family facilitating interconnections for L2 BUS components.

### Normative references

UL recognized / CSA approval

AWM 870°C - 30V

AWM 75°C - 30V FT1



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+3G0.75
Insulation	Polyolefin
Material of filler / inner sheath	Thermoplastic material
Taping	Aluminium / Polyester tape
Shielding	80% tinned copper braid coverage
Separator	Non woven tape
Outer sheath	PUR
Sheath colour	Violet RAL 4001

## Dimensional characteristics

Nominal outer diameter	9.5 mm
Copper content	50 kg/km
Approximate weight	114 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

## PRODUCT LIST

Reference	Country Ref.	Name
☎ 13-DRX19Z05P	13-DRX19Z05P	PROFIBUS PUR 1x2x0.64/2.55+3G0.75

☎ = Make to order, 📦 = In stock,