



**Reference:** 10164430  
**EAN 13:** 3427650091016

**CONTACT**

Market information  
 industryprojects.business@lynx  
 ogroup.com

**POWER & CONTROL cables without screen**

**STANDARDS**

**Installation** IEC 60092-3; IEC 60092-350

**Test a;** IEC 60332-3 Cat.A; IEC 60754-1; IEC 61034

**International** IEC 60298

**APPLICATIONS**



Conductor flexibility  
**Stranded class 2**



Halogen free  
**IEC 60754-1**



Rated Voltage U<sub>0</sub>/U  
 (Um)  
**0.6/ 1 (1.2) kV**



Fire retardant  
**EN IEC 60332-3-22  
 (cat A)**



Flame retardant  
**IEC 60332-1**



Smoke density  
**IEC 61034**



Gases corrosivity  
**IEC 60754-2**



Operating temp.  
**-30 ... 80 °C**

## CHARACTERISTICS

### Construction characteristics

Conductor material	Bare copper
Conductor flexibility	Stranded class 2
Insulation	XLPE (Cross-linked Polyethylene)
Conductor shape	Circular
Material of filler / inner sheath	Filler if necessary
Outer sheath	Polyolefin
Halogen free	IEC 60754-1
Sheath colour	Black
With Green/Yellow core	No

### Dimensional characteristics

Number of cores	2
Conductor cross-section	1.5 mm <sup>2</sup>
Nominal outer diameter	7.8 mm
Minimum outer diameter	7.3 mm
Maximum outer diameter	8.3 mm
Approximate weight	64 kg/km

### Electrical characteristics

Permissible short circuit current	0.2 kA
Permissible current rating in open air	20 A
Max. DC resistance of the conductor at 20°C	12.1 Ohm/km
Rated Voltage U <sub>o</sub> /U (U <sub>m</sub> )	0.6/ 1 (1.2) kV

### Usage characteristics

Fire retardant	EN IEC 60332-3-22 (cat A)
Flame retardant	IEC 60332-1
Smoke density	IEC 61034
Gases corrosivity	IEC 60754-2
Operating temperature, range	-30 ... 80 °C
Max. conductor temperature in service	90 °C

## OTHER CHARACTERISTICS

### Test Voltage

AC between cores..... 3.5 kV AC

### Minimum bending radius for fixed installations MPRX®

- cable diameter ≤ 25 mm..... 4 x outer diameter
- cable diameter > 25 mm..... 6 x outer diameter

Minimum bending radius for fixed installations MPRX® FLEXISHIP®..... 4 x outer diameter