



Reference: 10283885  
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#### CONTACT

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## POWER & CONTROL cables with screen

### STANDARDS

Product IEC 60228

Installation IEC 60092-350; IEC 60092-353; IEC 60092-360

Test a; IEC 60332-1; IEC 60332-3-22; IEC 60754-1; IEC 61034

### APPLICATIONS

MPRXCX® 0.6/1 kV armoured power and control cables are used for wiring fixed installations where enhanced mechanical protection and electrical screening is required.

The highly flexible MPRXCX® FLEXISHIP® range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. The sectoral conductors of multicore cables provide further space and weight savings on the cable trays. Designed with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risks of fire.

### Design

1. Conductor:  
Stranded bare copper, class 2  
or flexible bare copper, class 5 for FLEXISHIP® types (cross sections  $\geq 4$  mm<sup>2</sup>)
2. Insulation:  
XLPE (cross-linked polyethylene)
3. Inner covering:  
(Filler, if necessary)  
Lapped
4. Armouring:  
Bare copper braid
5. Outer sheath:  
Polyolefin SHF1  
Colour: black

Example of marking:

LYNXEO 279 MPRXCX or MPRXCX FLEXISHIP Nbr of cores & cross-section 0.6/1kV 90C  
IEC 60092-353 IEC 60332-3-22 Cat. A WW YYYY \*CE\* Manufacturing n° + metric marking

Core Identification

- 1 x: black
- 2 x: brown-blue
- 3 x: brown-black-grey
- 3G: brown-blue-green/yellow
- 4 x: brown-black-grey-blue
- 4G: brown-black-grey-green/yellow
- 5 x: white with printed numbers
- 5G: brown-black-grey-blue-green/yellow

> 5 cores: n x: white with printed numbers  
> 5 cores: nG: white with printed numbers + green/yellow core



导线柔软度  
柔软等级5



无卤  
IEC 60754-1



额定电压U<sub>0</sub>/U  
0.6/ 1 (1.2) kV



阻燃  
EN IEC 60332-3-22  
(cat A)



阻燃 - 火焰  
IEC 60332-1



烟密度  
IEC 61034



气体腐蚀性  
低 IEC 60754-2



抗电磁干扰  
是

## CHARACTERISTICS

## 结构特性

|        |                                  |
|--------|----------------------------------|
| 导体材料   | 裸铜线                              |
| 绝缘     | XLPE (Cross-linked Polyethylene) |
| 内护套    | 重叠或挤包内护套                         |
| 导线柔软度  | 柔软等级5                            |
| 导体形状   | 圆形                               |
| 铠装类型   | 裸铜编织                             |
| 外护套    | 聚烯烃                              |
| 无卤     | IEC 60754-1                      |
| 护套颜色   | 黑                                |
| 有绿/黄芯线 | 无                                |

## 尺寸特性

|                        |                     |
|------------------------|---------------------|
| 芯线数                    | 1                   |
| 导线截面                   | 300 mm <sup>2</sup> |
| 标称外径                   | 32.8 mm             |
| 外径最小值                  | 30.5 mm             |
| Maximum outer diameter | 35.1 mm             |
| 近似重量                   | 3068 kg/km          |

## 电气特性

|                       |                 |
|-----------------------|-----------------|
| 露天允许通过的额定电流           | 601 A           |
| 额定电压U <sub>0</sub> /U | 0.6/ 1 (1.2) kV |
| 20° C时导体的最大直流电阻       | - 0hm/km        |
| 允许通过的短路电流             | - kA            |

## 使用特性

|          |                           |
|----------|---------------------------|
| 阻燃       | EN IEC 60332-3-22 (cat A) |
| 阻燃 - 火焰  | IEC 60332-1               |
| 烟密度      | IEC 61034                 |
| 气体腐蚀性    | 低 IEC 60754-2             |
| 抗电磁干扰    | 是                         |
| 操作温度范围   | -30 ... 80 ° C            |
| 芯线最高静止温度 | 90 ° C                    |

导线柔软度  
柔软等级5无卤  
IEC 60754-1额定电压U<sub>0</sub>/U  
0.6/ 1 (1.2) kV阻燃  
EN IEC 60332-3-22  
(cat A)阻燃 - 火焰  
IEC 60332-1烟密度  
IEC 61034气体腐蚀性  
低 IEC 60754-2抗电磁干扰  
是

## OTHER CHARACTERISTICS

Test Voltage

AC between

cores..... 3.5

kV AC

Minimum bending radius for fixed installations

- cable diameter MPRXCX®..... 6 x outer diameter
- cable diameter MPRXCX® FLEXISHIP®..... 5 x outer diameter



导线柔软度  
柔软等级5



无卤  
IEC 60754-1



额定电压U<sub>0</sub>/U  
0.6/ 1 (1.2) kV



阻燃  
EN IEC 60332-3-22  
(cat A)



阻燃 - 火焰  
IEC 60332-1



烟密度  
IEC 61034



气体腐蚀性  
低 IEC 60754-2



抗电磁干扰  
是