# MPRX® / MPRX® FLEXISHIP® 0.6/1kV

**MPRX® FLEXISHIP® 0.6/1kV 3G16**




**Reference:** 10283958

## CONTACT

Market information
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## POWER & CONTROL cables without 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

| Conductor flexibility | Halogen free | Rated Voltage Uo/U (Um) | Fire retardant | Flame retardant | Smoke density | Gases corrosivity | Operating temp. |
|---|---|---|---|---|---|---|---|
| **Flexible class 5** | **IEC 60754-1** | **0.6/ 1 (1.2) kV** | **EN IEC 60332-3-22 (cat A)** | **IEC 60332-1** | **IEC 61034** | **IEC 60754-2** | **-30 ... 80 °C** |



All drawings, designs, specifications, plans and particulars of weights, size and dimensions contained in the technical or commercial documentation of Lynxeo is indicative only and shall not be binding on Lynxeo or be treated as constituting a representation on the part of Lynxeo.

## CHARACTERISTICS

| | |
|---|---|
| **Construction characteristics** | |
| Conductor material | Bare copper |
| Conductor flexibility | Flexible class 5 |
| 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 | Yes |
| **Dimensional characteristics** | |
| Number of cores | 3 |
| Conductor cross-section | 16 mm² |
| Nominal outer diameter | 16.5 mm |
| Minimum outer diameter | 15.3 mm |
| Maximum outer diameter | 17.7 mm |
| Approximate weight | 553 kg/km |
| **Electrical characteristics** | |
| Permissible short circuit current | 2.3 kA |
| Permissible current rating in open air | 67 A |
| Max. DC resistance of the conductor at 20°C | 1.15 Ohm/km |
| Rated Voltage Uo/U (Um) | 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



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