

MPRXCX® FLEXISHIP® 6/10 (12) kV

MPRXCX® FLEXISHIP® 6/10KV 3X70

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MEDIUM VOLTAGE CABLES

DESCRIPTION

Application

MPRXCX® FLEXISHIP® 6/10 kV armoured power cables are used for critical medium voltage systems where enhanced mechanical protection and electrical screening (EMC) is required. These products are recommended for installations and connections in environments where an optimal bending radius is required. Designed with halogen-free fire retardant materials, they provide optimum safety for people and maximal asset protection against all risks of fire. MPRXCX® FLEXISHIP® 6/10 kV cables are compatible with Nexans' medium voltage accessories to connect generators, switchgears and transformers.

Design

- Conductor**
Flexible bare copper
Class 5
- Extruded semi-conducting layer**
- Insulation**
XLPE (cross-linked polyethylene)
- Screen**
Extruded semi-conducting layer
Concentric layer of copper wires
- Inner covering**
Halogen-free polyolefin
- Armouring**
Bare copper braid
- Outer sheath:**
Polyolefin SHF1 (SHF2 on request)
Colour: red

Marking

I NEXANS I MPRXCX FLEXISHIP "n" x "s" mm² 6/10 kV 90° C IEC 60092-354
IEC 60332-3-22 "ww/yy" + metric marking



STANDARDS

International IEC 60092-350;
IEC 60092-354; IEC 60092-360;
IEC 60228; IEC 60332-1;
IEC 60332-3-22; IEC 60754-1;
IEC 60754-2; IEC 61034



Halogen free
IEC 60754-1



Rated Voltage Uo/U
(Um)
6 / 10 (12) kV



Flame retardant
IEC 60332-1



Fire retardant
IEC 60332-3-22



Smoke density
IEC 61034



Gases toxicity
No



Operating temp.
-30 - 80 °C



Electro magnetic
interference
resistance
Yes

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

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CHARACTERISTICS

Construction characteristics

Conductor material	Bare copper
Material of the inner semi-conductor	Extruded
Insulation	XLPE (Cross-linked Polyethylene)
Screen	Extruded semi-conductor, bare copper tape
Inner sheath	Halogen free polyolefin
Armour type	Bare copper braid
Outer sheath	Polyolefin
Halogen free	IEC 60754-1
Sheath colour	Red

Dimensional characteristics

Number of cores	3
Conductor cross-section	70 mm ²
Nominal outer diameter	57.2 mm
Minimum outer diameter	55.5 mm
Maximum outer diameter	61.0 mm
Approximate weight	5500 kg/km

Electrical characteristics

Rated Voltage U ₀ /U (Um)	6 / 10 (12) kV
Permissible current rating in open air	169 A

Usage characteristics

Flame retardant	IEC 60332-1
Standard	IEC
Fire retardant	IEC 60332-3-22
Smoke density	IEC 61034
Gases toxicity	No
Operating temperature, range	-30 - 80 °C
Electro magnetic interference resistance	Yes



Halogen free
IEC 60754-1



Rated Voltage U₀/U (Um)
6 / 10 (12) kV



Flame retardant
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IEC 60332-3-22



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