MPRX® / MPRX® FLEXISHIP® 0.6/1kV



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

MPRX® 0.6/1 kV power and control cables are used for wiring fixed installations not subject to mechanical risks.
The highly flexible MPRX® FLEXISHIP® range is recommended for installations and connections in narrow spaces where an optimal bending radius is required. The sectoral conductors of multicores 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 ≥ 4 mm²)

2. **Insulation:**
   XLPE (cross-linked polyethylene)

3. **Outer sheath:**
   (Filler, if necessary)
   Polyolefin SHF1
   Colour : black

Example of marking:
LYNXEO 279 MPRX or MPRX 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: nx: white with printed numbers
> 5 cores: nG: white with printed numbers + green/yellow core



Halogen free
IEC 60754-1


Rated Voltage Uo/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


Max.conductor temp.in service
90 °C

CONTACT

Market information
industryprojects.business@lynxeogroup.com

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CHARACTERISTICS

Construction characteristics	
Halogen free	IEC 60754-1
Electrical characteristics	
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

MPRX®

Reference	Nb. of cores	Cross section [mm²]	Green/ Yellow core	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10283752	1	1.5	No	4.5	4.8	5.2	35
10164474	1	2.5	No	5.0	5.4	5.7	44
10164430	2	1.5	No	7.3	7.8	8.3	64
10164475	2	2.5	No	8.2	8.8	9.4	90
10164464	3	1.5	No	7.7	8.2	8.8	84
10164432	3	1.5	Yes	7.7	8.2	8.8	84
10164478	3	2.5	No	8.6	9.3	10.0	119
10164476	3	2.5	Yes	8.6	9.3	10.0	119
10164466	4	1.5	No	8.5	9.2	9.8	110
10164465	4	1.5	Yes	8.5	9.1	9.8	110
10164481	4	2.5	No	9.5	10.1	10.9	151
10164479	4	2.5	Yes	9.5	10.1	10.9	151
10164468	5	1.5	No	9.3	10.0	10.7	141
10164467	5	1.5	Yes	9.3	10.0	10.7	141
10164482	5	2.5	No	10.3	11.1	11.9	189
10266284	5	2.5	Yes	10.3	11.1	11.9	189
10200170	5	2.5	Yes	10.7	11.1	12.2	188
10164469	7	1.5	No	10.1	10.8	11.7	177
10192676	7	1.5	Yes	10.1	10.9	11.7	172
10164483	7	2.5	No	11.4	12.3	13.2	248
10164470	12	1.5	No	13.7	14.7	15.7	295
10164471	19	1.5	No	16.1	17.3	18.5	444
10164472	27	1.5	No	19.3	20.8	22.3	620
10164473	37	1.5	No	21.8	23.4	25.0	829

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MPRX® FLEXISHIP®

Reference	Nb. of cores	Cross section [mm²]	Green/ Yellow core	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10283258	1	4	No	5.5	5.9	6.4	62
10164488	1	6	No	6.1	6.5	7.1	79
10196222	1	10	No	7.0	7.4	8.0	120
10280726	1	16	No	7.9	8.4	9.1	173
10164515	1	25	No	9.5	10.2	11.0	267
10222172	1	35	No	11.3	12.0	12.9	368
10050658	1	50	No	12.6	13.5	14.6	515
10193731	1	70	No	15.2	16.2	17.4	728
10193732	1	95	No	16.6	17.9	19.2	920
10277088	1	120	No	18.8	20.2	21.6	1163
10199015	1	150	No	20.9	22.4	24.1	1441
10200534	1	185	No	22.9	24.5	26.3	1753
10212712	1	240	No	25.8	27.6	29.6	2294
10164484	2	4	No	9.7	10.4	11.1	131
10164489	2	6	No	10.4	11.2	12.0	187
10164505	2	10	No	12.1	13.0	13.9	248
10164510	2	16	No	14.3	15.4	16.5	367
10283959	2	25	No	17.7	19.0	20.3	663
10164485	3	4	No	10.0	10.8	11.6	172
10217156	3	4	Yes	10.0	10.8	11.6	172
10164491	3	6	No	11.2	-	12.9	228.47
10164490	3	6	Yes	11.2	12.1	12.9	228
10164506	3	10	No	12.8	13.8	14.8	346
10164511	3	16	No	15.3	-	17.7	553
10283958	3	16	Yes	15.3	16.5	17.7	553
10164516	3	25	No	19.4	20.8	22.4	801
10222349	3	35	No	22.5	24.2	25.9	1185
10239134	3	50	No	25.5	27.4	29.3	1675
10283753	3	70	No	30.6	32.9	35.2	2362
10281447	3	95	No	34.0	36.6	39.2	2985
10284698	3	120	No	38.5	41.3	44.5	3769
10283000	3	185	No	47.0	-	54.0	5718
10164487	4	4	No	11.1	11.9	12.8	220
10164486	4	4	Yes	11.2	12.0	12.8	220
10164504	4	6	No	12.3	13.2	14.2	-
10164493	4	6	Yes	12.3	13.2	14.2	292
10164508	4	10	No	14.4	15.5	16.6	459
10164507	4	10	Yes	14.4	15.5	16.5	459
10164513	4	16	No	16.9	18.2	19.5	687
10164512	4	16	Yes	16.9	18.2	19.5	687

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MPRX® / MPRX® FLEXISHIP® 0.6/1kV

Reference	Nb. of cores	Cross section [mm²]	Green/ Yellow core	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10164517	4	25	No	21.7	-	24.9	1121
10283777	4	25	Yes	21.7	23.3	24.9	1121
10212713	4	35	No	25.0	26.9	28.8	1558
10200726	4	50	No	28.3	-	32.5	2179
10283778	4	50	Yes	28.3	30.4	32.5	2179
10203634	4	70	No	34.1	36.7	39.3	3083
10281444	4	120	No	42.8	46.0	49.2	5174
10283803	5	4	Yes	12.5	13.2	14.1	270
10280404	5	6	Yes	13.7	14.7	15.7	373
10279816	5	10	Yes	15.7	16.9	18.1	571
10164514	5	16	Yes	18.7	20.1	21.5	859
10283779	5	25	Yes	24.1	25.9	27.7	1342
10283780	5	35	No	27.8	29.9	31.9	1866
10281618	5	50	Yes	31.4	33.7	36.1	2614
10281619	5	70	Yes	38.0	40.9	43.8	3731
10283781	5	95	Yes	42.2	-	48.6	4731

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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