



CONTACT

Market information
industryprojects.business@lyn
xeogroup.com

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 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 $\geq 4 \text{ mm}^2$)
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



无卤
IEC 60754-1



额定电压U₀/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



操作温度
-30 ... 80 ° C



芯线最高静止温度
90 ° C

CHARACTERISTICS

结构特性

无卤

IEC 60754-1

电气特性

额定电压U₀/U

0.6/ 1 (1.2) kV

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

操作温度范围

-30 ... 80 ° C

芯线最高静止温度

90 ° C

MPRX®

Reference	Nb. of cores	Gross section [mm ²]	Green/ Yellow core	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10283752	1	1.5	无	4.5	4.8	5.2	35
10164474	1	2.5	无	5.0	5.4	5.7	44
10164430	2	1.5	无	7.3	7.8	8.3	64
10164475	2	2.5	无	8.2	8.8	9.4	90
10164464	3	1.5	无	7.7	8.2	8.8	84
10164432	3	1.5	是	7.7	8.2	8.8	84
10164478	3	2.5	无	8.6	9.3	10.0	119
10164476	3	2.5	是	8.6	9.3	10.0	119
10164466	4	1.5	无	8.5	9.2	9.8	110
10164465	4	1.5	是	8.5	9.1	9.8	110
10164481	4	2.5	无	9.5	10.1	10.9	151
10164479	4	2.5	是	9.5	10.1	10.9	151
10164468	5	1.5	无	9.3	10.0	10.7	141
10164467	5	1.5	是	9.3	10.0	10.7	141
10164482	5	2.5	无	10.3	11.1	11.9	189
10266284	5	2.5	是	10.3	11.1	11.9	189
10200170	5	2.5	是	10.7	11.1	12.2	188
10164469	7	1.5	无	10.1	10.8	11.7	177
10192676	7	1.5	是	10.1	10.9	11.7	172
10164483	7	2.5	无	11.4	12.3	13.2	248
10164470	12	1.5	无	13.7	14.7	15.7	295
10164471	19	1.5	无	16.1	17.3	18.5	444
10164472	27	1.5	无	19.3	20.8	22.3	620
10164473	37	1.5	无	21.8	23.4	25.0	829

MPRX® FLEXISHIP®

Reference	Nb. of cores	Cross section [mm ²]	Green/ Yellow core	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10283258	1	4	无	5.5	5.9	6.4	62
10164488	1	6	无	6.1	6.5	7.1	79
10196222	1	10	无	7.0	7.4	8.0	120
10280726	1	16	无	7.9	8.4	9.1	173
10164515	1	25	无	9.5	10.2	11.0	267
10222172	1	35	无	11.3	12.0	12.9	368
10050658	1	50	无	12.6	13.5	14.6	515
10193731	1	70	无	15.2	16.2	17.4	728
10193732	1	95	无	16.6	17.9	19.2	920
10277088	1	120	无	18.8	20.2	21.6	1163
10199015	1	150	无	20.9	22.4	24.1	1441
10200534	1	185	无	22.9	24.5	26.3	1753
10212712	1	240	无	25.8	27.6	29.6	2294
10164484	2	4	无	9.7	10.4	11.1	131
10164489	2	6	无	10.4	11.2	12.0	187
10164505	2	10	无	12.1	13.0	13.9	248
10164510	2	16	无	14.3	15.4	16.5	367
10283959	2	25	无	17.7	19.0	20.3	663
10164485	3	4	无	10.0	10.8	11.6	172
10217156	3	4	是	10.0	10.8	11.6	172
10164491	3	6	无	11.2	-	12.9	228.47
10164490	3	6	是	11.2	12.1	12.9	228
10164506	3	10	无	12.8	13.8	14.8	346
10164511	3	16	无	15.3	-	17.7	553
10283958	3	16	是	15.3	16.5	17.7	553
10164516	3	25	无	19.4	20.8	22.4	801
10222349	3	35	无	22.5	24.2	25.9	1185
10239134	3	50	无	25.5	27.4	29.3	1675
10283753	3	70	无	30.6	32.9	35.2	2362
10281447	3	95	无	34.0	36.6	39.2	2985
10284698	3	120	无	38.5	41.3	44.5	3769
10283000	3	185	无	47.0	-	54.0	5718
10164487	4	4	无	11.1	11.9	12.8	220
10164486	4	4	是	11.2	12.0	12.8	220
10164504	4	6	无	12.3	13.2	14.2	-
10164493	4	6	是	12.3	13.2	14.2	292
10164508	4	10	无	14.4	15.5	16.6	459
10164507	4	10	是	14.4	15.5	16.5	459
10164513	4	16	无	16.9	18.2	19.5	687
10164512	4	16	是	16.9	18.2	19.5	687

Reference	Nb. of cores	Cross section [mm ²]	Green/ Yellow core	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	Approx. weight [kg/km]
10164517	4	25	无	21.7	-	24.9	1121
10283777	4	25	是	21.7	23.3	24.9	1121
10212713	4	35	无	25.0	26.9	28.8	1558
10200726	4	50	无	28.3	-	32.5	2179
10283778	4	50	是	28.3	30.4	32.5	2179
10203634	4	70	无	34.1	36.7	39.3	3083
10281444	4	120	无	42.8	46.0	49.2	5174
10283803	5	4	是	12.5	13.2	14.1	270
10280404	5	6	是	13.7	14.7	15.7	373
10279816	5	10	是	15.7	16.9	18.1	571
10164514	5	16	是	18.7	20.1	21.5	859
10283779	5	25	是	24.1	25.9	27.7	1342
10283780	5	35	无	27.8	29.9	31.9	1866
10281618	5	50	是	31.4	33.7	36.1	2614
10281619	5	70	是	38.0	40.9	43.8	3731
10283781	5	95	是	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