



### CONTACT

Market information  
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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 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



Halogen free  
IEC 60754 - 1



Uo/U  
(Um)  
0.6/ 1 (1.2) kV



Fire retardant  
EN IEC  
60332 - 3 - 22 (cat  
A)



IEC 60332 - 1



IEC 61034



Gases corrosivity  
IEC 60754 - 2



Electro magnetic  
interference  
resistance  
Yes



Operating temp.  
- 30 ... 80 ° C

### CHARACTERISTICS

Halogen free	IEC 60754 - 1
U <sub>0</sub> /U (U <sub>m</sub> )	0.6/ 1 (1.2) kV
Fire retardant	EN IEC 60332 - 3 - 22 (cat A) IEC 60332 - 1 IEC 61034
Gases corrosivity	IEC 60754 - 2
Electro magnetic interference resistance	Yes
操作度范	- 30 ... 80 ° C
Max. conductor temperature in service	90 ° C

### MPRXCX®

Reference	Nb. of cores	[mm <sup>2</sup> ]	Green/ Yellow core	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	( ) [kg/km]
10164594	2	1.5		8.6	9.25	9.9	111
10164607	2	2.5		9.3	9.98	10.7	135
10164597	3	1.5		9.0	9.68	10.4	134
10164595	3	1.5		9.0	9.68	10.4	134
10164611	3	2.5		9.8	10.56	11.3	170
10164608	3	2.5		9.8	10.56	11.3	170
10164599	4	1.5		9.6	10.33	11.0	161
10164598	4	1.5		9.6	10.33	11.0	161
10164613	4	2.5		10.6	11.41	12.6	207
10164612	4	2.5		10.6	11.41	12.6	207
10164600	5	1.5		10.7	11.46	12.3	191
10280525	5	1.5		10.7	11.46	12.3	192
10164614	5	2.5		11.7	12.38	13.4	245
10195309	5	2.5		11.7	12.38	13.4	245
10164601	7	1.5		11.3	12.22	13.1	235
10280559	7	1.5		11.3	12.22	13.1	235
10196905	7	2.5		12.4	13.36	14.3	303
10164602	12	1.5		15.1	16.2	17.3	405
10284313	12	1.5		15.1	-	17.3	405.27
10283960	12	2.5		16.8	18.1	19.4	537
10164603	19	1.5		17.6	18.8	20.2	574
10284314	19	1.5		17.6	-	20.2	574.55



Halogen free  
IEC 60754 - 1



U<sub>0</sub>/U  
(U<sub>m</sub>)  
0.6/ 1 (1.2) kV



Fire retardant  
EN IEC  
60332 - 3 - 22 (cat  
A)



IEC 60332 - 1



IEC 61034



Gases corrosivity  
IEC 60754 - 2



Electro magnetic  
interference  
resistance  
Yes



Operating temp.  
- 30 ... 80 ° C

Reference	Nb. of cores	[mm <sup>2</sup> ]	Green/ Yellow core	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	( [kg/km] )
10270141	19	2.5		19.5	21.0	22.2	775
10164605	27	1.5		21.0	22.6	24.2	787
10285291	27	2.5		24.0	25.1	30.0	1075
10164606	37	1.5		23.2	24.9	26.6	1031

### MPRXCX® FLEXISHIP®

Reference	Nb. of cores	[mm <sup>2</sup> ]	Green/ Yellow core	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	( [kg/km] )
10284320	1	6		7.4	7.6	9.6	108
10282088	1	10		8.6	8.4	11.0	151
10280560	1	16		9.1	9.8	10.5	222
10164630	1	25		10.9	11.71	12.5	316
10200102	1	35		12.4	13.31	14.2	429
10174888	1	50		14.3	15.4	16.5	627
10194377	1	70		16.6	17.9	19.2	846
10174889	1	95		18.3	19.7	21.1	1069
10194375	1	120		20.5	22.0	23.6	1315
10194376	1	150		22.7	24.4	26.1	1617
10198831	1	185		24.7	26.1	27.2	1932
10234991	1	240		27.4	29.5	31.6	2510
10283885	1	300		30.5	32.8	35.1	3068
10164616	2	4		10.8	11.66	12.5	181
10280783	2	6		11.6	12.47	13.4	218
10164622	2	10		13.1	14.1	15.1	308
10164625	2	16		15.6	16.8	18.0	479
10280782	2	25		19.7	21.2	22.7	774
10164617	3	4		11.4	12.24	13.1	237
10184712	3	4		11.4	12.24	13.1	237
10164620	3	6		12.3	13.23	14.1	291
10184713	3	6		12.3	13.23	14.1	291
10164623	3	10		14.5	15.6	16.7	452
10282798	3	10		14.5	15.6	16.7	452
10164626	3	16		18.5	18.2	22.5	645
10270184	3	16		16.9	18.2	19.5	644
10164632	3	25		21.2	22.8	24.4	1033
10280419	3	25		21.2	22.8	24.4	1033
10222169	3	35		24.1	25.9	27.7	1381



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IEC 60332 - 1



IEC 61034



Gases corrosivity  
IEC 60754 - 2



Electro magnetic  
interference  
resistance  
Yes



Operating temp.  
- 30 ... 80 ° C

Reference	Nb. of cores	[mm <sup>2</sup> ]	Green/ Yellow core	Min. outer diam. [mm]	Nom. outer diam. [mm]	Max. outer diam. [mm]	( ) [kg/km]
10230036	3	50		28.0	29.0	31.0	1887
10280874	3	70		32.2	34.6	37.0	2627
10280813	3	95		35.6	38.3	41.0	3282
10280875	3	120		40.3	43.3	46.3	4197
10285274	3	185		58.7	-	51.1	6278
10164618	4	4		12.3	13.18	14.1	279
10281143	4	4		12.3	13.18	14.1	279
10281203	4	6		14.0	15.0	16.1	401
10280520	4	6		14.0	15.0	16.1	401
10282475	4	10		15.8	17.0	18.2	589
10281142	4	10		15.8	17.0	18.2	589
10280521	4	16		18.7	20.1	21.5	837
10282783	4	16		18.7	20.1	21.5	837
10283750	4	25		26.8	-	23.5	1309.83
10280642	4	35		27.0	-	31.0	1776
10282474	4	50		29.7	31.9	34.1	2394
10203511	4	70		35.7	38.4	41.1	3381
10280713	4	95		39.9	42.9	45.9	4343
10269954	5	4		12.8	13.8	14.8	336
10269955	5	6		15.2	16.3	17.4	486
10283961	5	10		18.0	18.2	20.0	717
10284322	5	25		25.0	-	29.0	1641
10284321	5	25		28.8	-	25.0	1641
10281620	5	35		29.4	31.6	33.8	2098
10280694	5	50		32.9	35.4	37.9	2863
10281621	5	70		40.0	43.0	46.0	4158

### 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



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