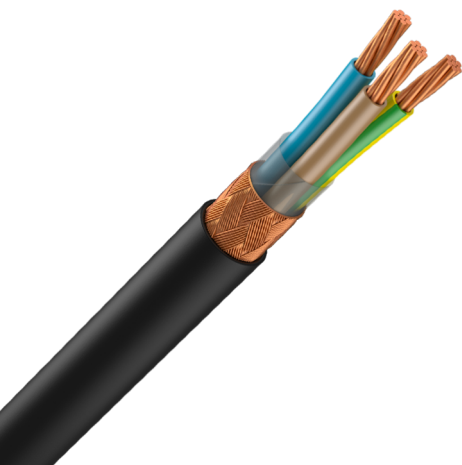




CONTACT

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 IEC 60332-1; IEC 60332-3-22; IEC 60754-1; IEC 60754-2; 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 $\geq 4 \text{ mm}^2$)
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



Rated Voltage U_0/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



Electro magnetic
interference
resistance
Yes



Operating temp.
-30 ... 80 °C

CHARACTERISTICS

Construction characteristics

Halogen free	IEC 60754-1
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Electrical characteristics

Rated Voltage U _o /U (U _m)	0.6/ 1 (1.2) kV
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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
Electro magnetic interference resistance	Yes
Operating temperature, range	-30 ... 80 °C
Max. conductor temperature in service	90 °C

MPRXCX®

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]
	1	1.5	No	5.8	5.9	7.2	58
	1	2.5	No	6.2	6.3	7.6	70
10164594	2	1.5	No	8.6	9.25	9.9	111
10164607	2	2.5	No	9.3	9.98	10.7	135
10164597	3	1.5	No	9.0	9.68	10.4	134
10164595	3	1.5	Yes	9.0	9.68	10.4	134
10164611	3	2.5	No	9.8	10.56	11.3	170
10164608	3	2.5	Yes	9.8	10.56	11.3	170
10164599	4	1.5	No	9.6	10.33	11.0	161
10164598	4	1.5	Yes	9.6	10.33	11.0	161
10164613	4	2.5	No	10.6	11.41	12.6	207
10164612	4	2.5	Yes	10.6	11.41	12.6	207
10164600	5	1.5	No	10.7	11.46	12.3	191
10280525	5	1.5	Yes	10.7	11.46	12.3	192
10164614	5	2.5	No	11.7	12.38	13.4	245
10195309	5	2.5	Yes	11.7	12.38	13.4	245
10164601	7	1.5	No	11.3	12.22	13.1	235
10280559	7	1.5	Yes	11.3	12.22	13.1	235
10196905	7	2.5	No	12.4	13.36	14.3	303



Halogen free
IEC 60754-1



Rated Voltage U_o/U (U_m)
0.6/ 1 (1.2) kV



Fire retardant
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(cat A)



Flame retardant
IEC 60332-1



Smoke density
IEC 61034



Gases corrosivity
IEC 60754-2



Electro magnetic
interference
resistance
Yes



Operating temp.
-30 ... 80 °C

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]
	7	2.5	Yes	11.5	13.4	15.0	304
10164602	12	1.5	No	15.1	16.2	17.3	405
10283960	12	2.5	No	16.8	18.1	19.4	537
10164603	19	1.5	No	17.6	18.8	20.2	574
10270141	19	2.5	No	19.5	21.0	22.2	775
	19	2.5	Yes	20.0	21.0	25.0	775
10164605	27	1.5	No	21.0	22.6	24.2	787
	27	2.5	No	24.0	25.1	30.0	1075
10164606	37	1.5	No	23.2	24.9	26.6	1031

MPRXCX® 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]
	1	4	No	6.6	6.8	8.4	89
	1	6	No	7.4	7.6	9.6	108
	1	10	No	8.6	8.4	11.0	151
10280560	1	16	No	9.1	9.8	10.5	222
10164630	1	25	No	10.9	11.71	12.5	316
10200102	1	35	No	12.4	13.31	14.2	429
10174888	1	50	No	14.3	15.4	16.5	627
10194377	1	70	No	16.6	17.9	19.2	846
10174889	1	95	No	18.3	19.7	21.1	1069
10194375	1	120	No	20.5	22.0	23.6	1315
10194376	1	150	No	22.7	24.4	26.1	1617
10198831	1	185	No	24.7	26.1	27.2	1932
10234991	1	240	No	27.4	29.5	31.6	2510
10283885	1	300	No	30.5	32.8	35.1	3068
10164616	2	4	No	10.8	11.66	12.5	181
10280783	2	6	No	11.6	12.47	13.4	218
10164622	2	10	No	13.1	14.1	15.1	308
10164625	2	16	No	15.6	16.8	18.0	479
10280782	2	25	No	19.7	21.2	22.7	774
10164617	3	4	No	11.4	12.24	13.1	237
10184712	3	4	Yes	11.4	12.24	13.1	237



Halogen free
IEC 60754-1



Rated Voltage U_o/U_i
(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



Electro magnetic
interference
resistance
Yes



Operating temp.
-30 ... 80 °C

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]
10164620	3	6	No	12.3	13.23	14.1	291
10184713	3	6	Yes	12.3	13.23	14.1	291
10164623	3	10	No	14.5	15.6	16.7	452
10282798	3	10	Yes	14.5	15.6	16.7	452
10164511	3	16	No	18.5	18.2	22.5	645
10164626	3	16	Yes	16.9	18.2	19.5	644
10164632	3	25	No	21.2	22.8	24.4	1033
10280419	3	25	Yes	21.2	22.8	24.4	1033
10222169	3	35	No	24.1	25.9	27.7	1381
10230036	3	50	No	28.0	29.0	31.0	1887
10280874	3	70	No	32.2	34.6	37.0	2627
10280813	3	95	No	35.6	38.3	41.0	3282
10280875	3	120	No	40.3	43.3	46.3	4197
10164618	4	4	No	12.3	13.18	14.1	279
10281143	4	4	Yes	12.3	13.18	14.1	279
10281203	4	6	No	14.0	15.0	16.1	401
10280520	4	6	Yes	14.0	15.0	16.1	401
10282475	4	10	No	15.8	17.0	18.2	589
10281142	4	10	Yes	15.8	17.0	18.2	589
10280521	4	16	No	18.7	20.1	21.5	837
10282783	4	16	Yes	18.7	20.1	21.5	837
10280641	4	25	No	23.3	25.0	26.8	1309
10280642	4	35	No	26.6	28.6	30.6	1776
10282474	4	50	No	29.7	31.9	34.1	2394
10203511	4	70	No	35.7	38.4	41.1	3381
10280713	4	95	No	39.9	42.9	45.9	4343
10269954	5	4	Yes	12.8	13.8	14.8	336
10269955	5	6	Yes	15.2	16.3	17.4	486
	5	10	Yes	18.0	18.2	20.0	717
	5	16	Yes	22.5	21.9	27.0	1015
10281620	5	35	Yes	29.4	31.6	33.8	2098
10280694	5	50	Yes	32.9	35.4	37.9	2863
10281621	5	70	Yes	40.0	43.0	46.0	4158



Halogen free
IEC 60754-1



Rated Voltage U_{o/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



Electro magnetic
interference
resistance
Yes



Operating temp.
-30 ... 80 °C