

MPRXCX® 0.6/1 (1.2) kV

APPLICATION

MPRXCX® type is used on board of ships at all levels and open decks for installations complying with IEC standards 60092-352. The good screening qualities of the braid also reduce radio interference and electrical influences to electronic installations. MPRXCX® type withstands IEC 60332-3-22 fire test on bunched cables and performs to the SOLAS requirements. All materials used to produce this cable are halogen free. This design ensures that non corrosive and low toxic gases are emitted in case of fire.

Max conductor temperature: 90°C

DESIGN

1.Conductor

Stranded bare copper class 2

2.Insulation

XLPE

3.Inner covering (Filler if necessary)

Polyester tape or polyolefin

4.Armouring

Bare copper wire braid

5.Outer sheath

Polyolefin SHF1

Colour: black

MARKING

NEXANS 448 MPRXCX 0.6/1kV «n» x «s» mm² 90°C IEC 60332-3-22 «WW/YY» *CE*
+ Metric Marking



Fire retardant
IEC 60332-3-22



Flame retardant
IEC 60332-1



Halogen-free
IEC 60754-1
IEC 60684-2



Low smoke
IEC 61034



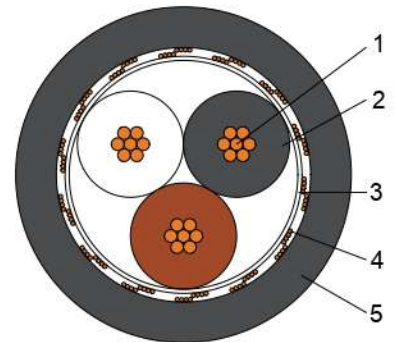
No toxicity



No corrosivity
IEC 60754-2



-30 +80°C



Note: Cable drawing is only for reference.

CORE IDENTIFICATION

- 1.core: black
- 2.cores: black-blue
- 3.cores: black-white-brown or black-blue-green/yellow
- 4.cores: black-white-brown-blue or green/yellow
- 5.cores and above: white with black printed numbers

STANDARDS

IEC 60228
IEC 60092-350
IEC 60092-353
IEC 60092-360
IEC 60332-3-22
IEC 60754-1/60754-2
IEC 60684-2
IEC 61034

LV POWER CABLE

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.

page 63 / 101

MPRXCX 0.6/1 (1.2) kV Polyester tape lapped inner covering

Cables (mm ²)	Permissible current rating in open air	Outer diameter			Weight approx. (kg/km)
	(A)	Min.(mm)	Nom.(mm)	Max.(mm)	
5 x 1.5	14	10.8	11.7	12.6	220
7 x 1.5	12	12.6	13.6	14.6	271
10 x 1.5	10	15.4	16.5	17.6	413
12 x 1.5	10	16.0	17.2	18.4	459
14 x 1.5	10	16.8	18.0	19.2	509
19 x 1.5	9	18.6	19.9	21.2	644
24 x 1.5	8	21.6	23.1	24.6	809
27 x 1.5	8	22.1	23.6	25.1	869
30 x 1.5	7	22.7	24.2	25.7	935
37 x 1.5	7	24.6	26.2	27.8	1121
44 x 1.5	6	26.9	28.7	30.5	1254
48 x 1.5	6	27.4	29.2	31.0	1328
5 x 2.5	18	12.0	12.9	13.9	287
7 x 2.5	16	13.5	14.5	15.5	389
10 x 2.5	14	17.1	18.3	19.5	549
12 x 2.5	13	17.5	18.7	19.9	606
14 x 2.5	12	18.2	19.5	20.8	670
19 x 2.5	11	20.4	21.8	23.2	871
24 x 2.5	10	24.0	25.6	27.2	1107
27 x 2.5	10	24.5	26.1	27.7	1198
30 x 2.5	9	24.9	26.5	28.1	1262
37 x 2.5	9	26.8	28.6	30.4	1510
44 x 2.5	9	30.2	32.1	34.0	1799
48 x 2.5	9	30.6	32.6	34.6	1909
1 x 1.5	23	5.8	6.4	7.0	68
1 x 2.5	30	6.2	6.8	7.4	84
1 x 4	40	6.5	7.2	7.9	103
1 x 6	52	6.9	7.6	8.3	127
1 x 10	72	8.0	8.7	9.4	179
1 x 16	96	8.8	9.6	10.4	247
1 x 25	127	10.7	11.6	12.5	362
1 x 35	157	11.7	12.6	13.5	468
1 x 50	196	13.5	14.5	15.5	644
1 x 70	242	15.5	16.6	17.7	883
1 x 95	293	17.1	18.3	19.5	1159
1 x 120	339	19.8	21.2	22.6	1404
1 x 150	389	21.9	23.4	24.9	1705
1 x 185	444	24.2	25.8	27.4	2078
1 x 240	522	26.7	28.4	30.1	2690
1 x 300	601	29.5	31.4	33.3	3294

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.

MPRXCX 0.6/1 (1.2) kV Polyester tape lapped inner covering

Cables (mm ²)	Permissible current rating in open air	Outer diameter			Weight approx. (kg/km)
	(A)	Min.(mm)	Nom.(mm)	Max.(mm)	
2 x 1.5	20	8.6	9.4	10.2	136
2 x 2.5	26	9.6	10.4	11.2	167
2 x 4	34	10.6	11.5	12.4	218
2 x 6	44	11.4	12.3	13.2	276
2 x 10	61	13.5	14.5	15.5	419
2 x 16	82	15.8	16.9	18.0	578
2 x 25	108	19.2	20.5	21.8	858
2 x 35	133	21.3	22.7	24.1	1083
2 x 50	167	23.9	25.5	27.1	1377
2 x 70	206	27.7	29.5	31.3	1985
2 x 95	249	31.1	33.1	35.1	2620
2 x 120	288	37.1	39.4	41.7	3289
3 x 1.5/2 x 1.5 + E	16	9.2	10.0	10.8	151
3 x 2.5/2 x 2.5 + E	21	10.0	10.8	11.6	191
3 x 4	28	11.2	12.1	13.0	255
3 x 6	36	12.1	13.0	14.0	321
3 x 10	50	14.2	15.3	16.4	526
3 x 16	67	16.7	17.9	19.1	744
3 x 25	89	20.5	21.9	23.3	1112
3 x 35	110	22.6	24.1	25.6	1405
3 x 50	137	25.8	27.5	29.2	1858
3 x 70	169	29.8	31.7	33.6	2545
3 x 95	205	33.4	35.5	37.6	3421
3 x 120	237	39.7	42.1	44.5	4523
3 x 150	272	44.0	46.6	49.2	5431
3 x 185	311	49.1	52.0	54.9	6805
3 x 240	365	55.3	58.5	61.7	8846
4 x 1.5	16	10.0	10.8	11.6	180
4 x 2.5	21	11.1	12.0	12.9	237
4 x 4	28	12.3	13.3	14.3	311
4 x 6	36	13.7	14.7	15.7	439
4 x 10	50	15.8	16.9	18.0	639
4 x 16	67	18.3	19.6	20.9	913
4 x 25	89	22.7	24.2	25.7	1364
4 x 35	110	25.1	26.7	28.3	1812
4 x 50	137	28.4	30.2	32.0	2407
4 x 70	169	33.0	35.0	37.1	3335
4 x 95	205	37.7	40.0	42.3	4586
4 x 120	237	44.1	46.7	49.3	5700
4 x 150	272	49.0	51.9	54.8	7143
4 x 185	311	54.5	57.7	60.9	8816

Products on request
E= green/yellow core

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.

MPRXCX 0.6/1 (1.2) kV Extruded polyolefin inner covering

Cables (mm ²)	Permissible current rating in open air	Diameter over inner covering	Outer diameter			Weight approx. (kg/km)
	(A)	Nom.(mm)	Min.(mm)	Nom.(mm)	Max.(mm)	
5 x 1.5	285	9.9	12.5	13.5	14.5	285
7 x 1.5	353	10.8	13.9	15.0	16.1	353
10 x 1.5	522	13.8	17.1	18.3	19.5	522
12 x 1.5	529	14.3	17.4	18.7	20.0	529
14 x 1.5	612	15.0	18.3	19.6	20.9	612
19 x 1.5	726	16.8	20.0	21.4	22.8	726
24 x 1.5	944	19.7	22.9	24.5	26.1	944
27 x 1.5	1008	20.2	23.4	25.0	26.6	1008
30 x 1.5	1089	21.0	24.5	26.1	27.7	1089
37 x 1.5	1231	22.8	26.1	27.8	29.5	1231
44 x 1.5	1454	25.7	29.1	31.0	32.9	1454
48 x 1.5	1577	26.5	30.1	32.1	34.1	1577
5 x 2.5	18	11.1	14.3	15.4	16.5	407
7 x 2.5	16	12.1	15.4	16.5	17.7	475
10 x 2.5	14	15.5	19.0	20.3	21.6	667
12 x 2.5	13	16.1	19.4	20.8	22.2	725
14 x 2.5	12	16.9	20.3	21.7	23.1	802
19 x 2.5	11	18.7	22.2	23.7	25.2	1003
24 x 2.5	10	22.3	25.8	27.5	29.2	1254
27 x 2.5	10	22.8	26.1	27.8	29.5	1331
30 x 2.5	9	23.7	27.3	29.1	30.9	1464
37 x 2.5	9	25.7	29.2	31.1	33.0	1717
44 x 2.5	9	29.5	33.2	35.3	37.4	2088
48 x 2.5	9	30.0	33.7	35.8	37.9	2206
1 x 1.5	23	4.9	7.5	8.2	8.9	111
1 x 2.5	30	5.3	7.9	8.6	9.3	127
1 x 4	40	5.8	8.5	9.3	10.1	155
1 x 6	52	6.2	8.9	9.7	10.5	181
1 x 10	72	7.0	9.7	10.5	11.3	234
1 x 16	96	8.0	10.8	11.7	12.6	311
1 x 25	127	9.7	12.4	13.4	14.4	432
1 x 35	157	10.7	14.0	15.1	16.2	580
1 x 50	196	12.0	15.3	16.4	17.5	730
1 x 70	242	13.7	17.1	18.3	19.5	969
1 x 95	293	15.6	18.9	20.2	21.5	1264
1 x 120	339	18.3	21.6	23.1	24.6	1516
1 x 150	389	20.3	23.7	25.3	26.9	1827
1 x 185	444	22.5	26.0	27.7	29.4	2223
1 x 240	522	25.3	28.9	30.7	32.6	2858
1 x 300	601	27.9	31.5	33.5	35.5	3473

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.

MPRXCX 0.6/1 (1.2) kV Extruded polyolefin inner covering

Cables (mm ²)	Permissible current rating in open air	Diameter over inner covering	Outer diameter			Weight approx. (kg/km)
	(A)	Nom.(mm)	Min.(mm)	Nom.(mm)	Max.(mm)	
2 x 1.5	20	7.7	10.2	11.1	12.0	190
2 x 2.5	26	8.6	11.3	12.2	13.1	247
2 x 4	34	9.7	12.3	13.3	14.3	283
2 x 6	44	10.5	13.6	14.7	15.8	352
2 x 10	61	12.1	15.2	16.3	17.4	497
2 x 16	82	14.1	17.3	18.5	19.7	703
2 x 25	108	17.5	20.9	22.3	23.7	1164
2 x 35	133	19.5	23.0	24.5	26.0	1402
2 x 50	167	22.1	25.6	27.3	29.0	1672
2 x 70	206	25.9	29.6	31.5	33.4	2172
2 x 95	249	29.7	33.4	35.5	37.6	2999
2 x 120	288	35.1	39.3	41.7	44.1	3745
3 x 1.5/2 x 1.5 + E	16	8.3	11.0	11.9	12.8	218
3 x 2.5/2 x 2.5 + E	21	9.2	11.8	12.8	13.8	268
3 x 4	28	10.3	12.9	13.9	14.9	350
3 x 6	36	11.2	14.3	15.4	16.5	439
3 x 10	50	12.9	16.1	17.3	18.5	617
3 x 16	67	15.1	18.2	19.5	20.8	837
3 x 25	89	18.7	22.0	23.5	25.0	1236
3 x 35	110	20.9	24.3	25.9	27.5	1541
3 x 50	137	23.7	27.1	28.9	30.7	1995
3 x 70	169	28.2	31.8	33.8	35.8	2752
3 x 95	205	31.8	35.8	38.0	40.2	3653
3 x 120	237	37.6	41.7	44.2	46.7	4780
3 x 150	272	42.3	46.3	49.1	51.9	5779
3 x 185	311	47.0	51.4	54.4	57.4	7382
3 x 240	365	53.5	57.9	61.3	64.7	9372
4 x 1.5	16	9.1	11.8	12.8	13.8	278
4 x 2.5	21	10.1	12.7	13.7	14.7	327
4 x 4	28	11.4	14.6	15.7	16.8	457
4 x 6	36	12.4	15.5	16.7	17.9	553
4 x 10	50	14.3	17.5	18.8	20.1	774
4 x 16	67	16.7	20.1	21.5	22.9	1056
4 x 25	89	20.8	24.4	26.0	27.6	1529
4 x 35	110	23.2	26.9	28.6	30.4	1950
4 x 50	137	26.4	30.0	31.9	33.8	2564
4 x 70	169	31.4	35.6	37.8	40.0	3635
4 x 95	205	35.5	39.9	42.3	44.7	4829
4 x 120	237	42.4	46.6	49.4	52.2	6367
4 x 150	272	47.3	51.6	54.7	57.8	7397
4 x 185	311	52.4	56.9	60.2	63.5	9174

E= green/yellow core

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.