

Type Approval Certificates

American Bureau of Shipping
Bureau Veritas
China Classification Society
Det Norske Veritas
Germanischer Lloyd
Lloyd's Register of Shipping
Registro Italiano Navale

Applications

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 the IEC 60332-3 category A fire test on bunched cables and performs to the SOLAS requirements. All materials used to manufacture this cable are halogen free. This design ensures that non corrosive and low toxic gases are emitted in case of fire. Therefore, this cable type is especially suitable for installations on passenger ships.

**0.6/1 kV
250 V**

Max core temperature: 85 °C

Design

1. Conductor

Stranded bare copper
class 2
(Sector-shaped: $\geq 70 \text{ mm}^2$
3 cores)

2. Insulation

XLPE
(cross linked polyethylene)

3. Inner covering

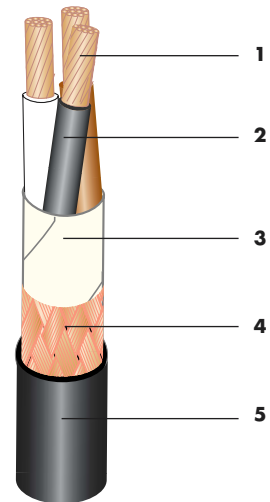
- Lapped

4. Armouring

Bare copper braid

5. Outer sheath

Polyolefin
Colour: black



Marking

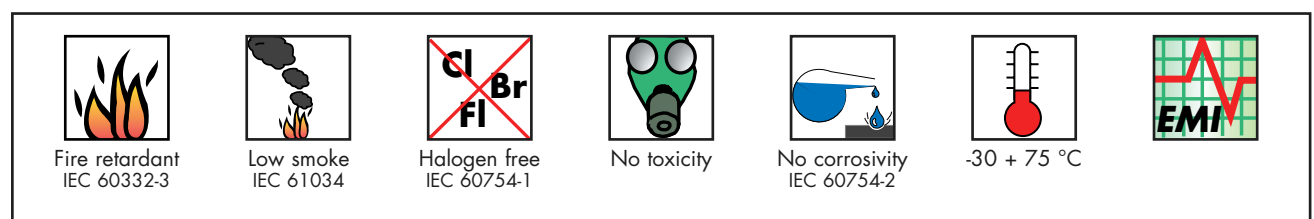
NEXANS 205 MPRXCX
«voltage» «n» x «s» mm^2
85C IEC 60332-3A «year»
* **CE** *
+ Metric Marking

Core Identification

1 cores: black
2 cores: black-blue
3 cores: black-white-brown or
green/yellow
4 cores: black-blue-brown-white
or green/yellow
For the voltage 250 V and from 5
cores and above 0.6/1 kV:
white with black printed numbers

Standards

IEC 60228
IEC 60092-3
IEC 60092-350
IEC 60332-3 Cat. A
IEC 60754-1/60754-2
IEC 61034



MPRXC[®] 250V

Cables (mm ²)	Permissible current rating in open air (A)	Outer diameter			Weight approx. (kg/km)
		Min. (mm)	Nom. (mm)	Max. (mm)	
2 x 0.75	11	7.8	8.5	9.6	100
3 x 0.75	9	8.2	8.9	10.0	120
5 x 0.75	8	9.4	10.3	11.5	160
7 x 0.75	7	10.0	11.2	12.5	190
12 x 0.75	6	13.0	14.3	16.0	300
19 x 0.75	5	15.0	16.6	18.0	410
27 x 0.75	4	18.0	19.7	21.5	560
37 x 0.75	4	20.0	22.0	24.0	710
48 x 0.75	4	23.0	25.1	27.0	910

MPRXC[®] 250V

Cables (mm ²)	Permissible current rating in open air (A)	Outer diameter			Weight approx. (kg/km)
		Min. (mm)	Nom. (mm)	Max. (mm)	
2 x 1	14	8.2	8.9	10.0	110
3 x 1	11	8.6	9.3	10.5	120
5 x 1	9	9.8	10.8	12.0	170
7 x 1	8	10.5	11.8	13.0	200
12 x 1	7	14.0	15.1	16.5	320
19 x 1	6	16.0	17.6	19.0	430
27 x 1	5	19.0	20.9	22.5	600
37 x 1	5	21.5	23.4	25.5	750
48 x 1	4	24.5	26.7	29.0	970

MPRXC[®] 0.6/1kV

Cables (mm ²)	Permissible current rating in open air (A)	Outer diameter			Weight approx. (kg/km)
		Min. (mm)	Nom. (mm)	Max. (mm)	
5 x 1.5	12	10.5	11.8	13.0	230
7 x 1.5	11	11.5	12.7	14.0	270
12 x 1.5	9	15.5	17.0	18.5	460
19 x 1.5	8	18.0	19.8	21.5	650
24 x 1.5	7	21.0	23.0	25.0	810
27 x 1.5	7	21.5	23.4	25.5	870
37 x 1.5	6	24.0	26.2	28.0	1 120
48 x 1.5	6	27.5	29.8	32.0	1 410
61 x 1.5	5	30.0	32.6	35.0	1 720
5 x 2.5	17	12.0	12.9	14.5	290
7 x 2.5	15	13.5	14.6	16.0	390
12 x 2.5	12	17.0	18.7	20.5	610
19 x 2.5	11	20.0	21.8	23.5	870
24 x 2.5	10	23.5	25.6	27.5	1 100
27 x 2.5	9	24.0	26.1	28.0	1 200
37 x 2.5	9	27.0	29.2	31.5	1 560
48 x 2.5	8	31.0	33.3	35.5	1 970
61 x 2.5	7	34.0	36.4	39.0	2 420

Stocked products
Products on request

MPRXCX® 0.6/1kV

Cables (mm ²)	Permissible current rating in open air (A)	Outer diameter			Weight approx. (kg/km)
		Min. (mm)	Nom. (mm)	Max. (mm)	
1 x 1.5	20	5.8	6.3	7.2	70
1 x 2.5	28	6.2	6.7	7.6	90
1 x 4	38	6.6	7.3	8.2	110
1 x 6	48	7.0	7.6	8.4	130
1 x 10	67	8.0	8.6	9.6	180
1 x 16	90	9.0	9.7	11.0	250
1 x 25	120	10.5	11.6	13.0	370
1 x 35	145	11.5	12.6	14.0	470
1 x 50	180	13.5	14.4	15.5	660
1 x 70	225	15.5	16.5	18.0	890
1 x 95	275	17.0	19.2	21.0	1 170
1 x 120	320	19.0	21.3	23.0	1 450
1 x 150	365	20.5	23.4	25.0	1 780
1 x 185	415	22.5	25.6	27.5	2 150
1 x 240	490	25.5	28.8	31.0	2 730
1 x 300	560	28.0	31.4	33.5	3 350
2 x 1.5	17	8.8	9.5	10.5	130
2 x 2.5	24	9.6	10.3	11.5	160
2 x 4	32	10.5	11.7	13.0	210
2 x 6	41	11.5	12.3	13.5	280
2 x 10	57	13.5	14.6	16.0	430
2 x 16	77	16.0	17.0	18.5	600
2 x 25	102	19.0	20.6	22.5	880
2 x 35	123	21.5	22.8	24.5	1 140
2 x 50	153	23.5	25.2	27.5	1 500
3 x 1.5/2 x 1.5 + E	14	9.2	10.0	11.0	150
3 x 2.5/2 x 2.5 + E	20	10.0	10.8	12.0	190
3 x 4	27	11.5	12.3	13.5	260
3 x 6	34	12.0	13.0	14.5	330
3 x 10	47	14.0	15.3	17.0	530
3 x 16	63	16.5	17.9	19.5	770
3 x 25	84	20.5	21.8	23.5	1 140
3 x 35	102	22.5	24.1	26.0	1 490
3 x 50	126	25.5	27.1	29.0	2 010
3 x 70 Sect	158	30.5	31.6	34.0	2 750
3 x 95 Sect	193	33.5	34.7	37.0	3 530
3 x 120 Sect	224	37.0	38.2	41.0	4 430
3 x 150 Sect	256	42.5	44.0	47.0	5 830

Stocked products
 Products on request
 E: Green/Yellow core

MPRXCX® 0.6/1kV

Cables (mm ²)	Permissible current rating in open air (A)	Outer diameter			Weight approx. (kg/km)
		Min. (mm)	Nom. (mm)	Max. (mm)	
4 x 1.5	14	9.8	10.7	12.0	180
4 x 2.5	20	11.0	11.9	13.0	240
4 x 4	27	12.5	13.4	15.0	320
4 x 6	34	13.5	14.7	16.0	450
4 x 10	47	15.5	16.9	18.5	640
4 x 16	63	18.5	19.7	21.5	930
4 x 25	84	22.5	24.0	26.0	1 380
4 x 35	102	25.0	26.6	28.5	1 910
4 x 50	126	28.5	29.9	32.0	2 580

Stocked products
Products on request