

MPRX® 0.6/1 (1.2) kV

APPLICATION

MPRX® type is used on board of ships in all locations below the upper metallic deck for fixed installations complying with IEC standards 60092-352. MPRX® 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. Outer sheath

Polyolefin SHF1 (Filler if necessary)

Colour: black

MARKING

NEXANS 448 MPRX 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



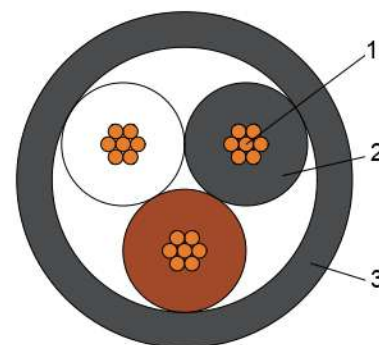
No corrosivity
IEC 60754-2



-30 +80°C



EMI



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

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.

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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	10.2	11.3	12.4	191
7 x 1.5	12	11.0	12.2	13.3	251
10 x 1.5	10	14.1	15.7	17.0	359
12 x 1.5	10	14.8	16.4	17.7	412
14 x 1.5	10	15.5	17.2	18.6	461
19 x 1.5	9	17.3	19.2	20.7	590
24 x 1.5	8	20.3	22.5	24.1	739
27 x 1.5	8	20.7	23.0	24.7	804
30 x 1.5	7	21.8	24.2	25.9	897
37 x 1.5	7	23.6	26.2	28.0	1040
5 x 2.5	18	11.2	12.4	13.5	254
7 x 2.5	16	12.4	13.8	15.0	355
10 x 2.5	14	15.8	17.5	18.9	497
12 x 2.5	13	16.2	18.0	19.4	562
14 x 2.5	12	17.2	19.1	20.6	643
19 x 2.5	11	19.1	21.2	22.8	818
24 x 2.5	10	23.0	25.5	27.3	1032
27 x 2.5	10	23.4	26.0	27.8	1126
30 x 2.5	9	24.2	26.9	28.7	1225
37 x 2.5	9	26.3	29.2	31.2	1471
1 x 1.5	23	5.2	5.8	6.6	48
1 x 2.5	30	5.6	6.2	7.0	61
1 x 4	40	6.0	6.7	7.5	79
1 x 6	52	6.4	7.1	8.0	101
1 x 10	72	7.1	7.9	8.8	145
1 x 16	96	8.0	8.9	9.8	207
1 x 25	127	9.7	10.8	11.8	315
1 x 35	157	10.6	11.8	12.9	412
1 x 50	196	12.2	13.5	14.7	557
1 x 70	242	14.0	15.6	16.9	779
1 x 95	293	15.6	17.3	18.7	1044
1 x 120	339	18.2	20.2	21.7	1279
1 x 150	389	20.2	22.4	24.0	1565
1 x 185	444	22.5	25.0	26.8	1946
1 x 240	522	25.2	28.0	29.9	2550
1 x 300	601	27.7	30.8	32.8	3135

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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	8.0	8.9	9.8	109
2 x 2.5	26	8.9	9.9	10.9	146
2 x 4	34	9.8	10.9	11.9	191
2 x 6	44	10.5	11.7	12.8	244
2 x 10	61	12.3	13.7	14.9	366
2 x 16	82	14.3	15.9	17.2	527
2 x 25	108	17.6	19.5	21.0	803
2 x 35	133	19.5	21.7	23.3	1028
2 x 50	167	22.4	24.9	26.6	1396
2 x 70	206	26.0	28.9	30.8	1931
2 x 95	249	29.4	32.7	34.8	2589
2 x 120	288	34.5	38.3	40.7	3256
3 x 1.5/2 x 1.5 + E	16	8.5	9.4	10.4	128
3 x 2.5/2 x 2.5 + E	21	9.4	10.4	11.4	173
3 x 4	28	10.4	11.5	12.6	232
3 x 6	36	11.3	12.6	13.7	309
3 x 10	50	13.1	14.5	15.7	462
3 x 16	67	15.2	16.9	18.2	675
3 x 25	89	18.6	20.7	22.2	1035
3 x 35	110	20.8	23.1	24.8	1336
3 x 50	137	24.0	26.7	28.5	1826
3 x 70	169	27.9	31.0	33.1	2545
3 x 95	205	31.3	34.8	37.0	3417
3 x 120	237	36.9	41.0	43.6	4322
3 x 150	272	41.0	45.5	48.3	5293
3 x 185	311	45.6	50.7	53.7	6560
3 x 240	365	51.4	57.1	60.5	8590
4 x 1.5	16	9.4	10.4	11.4	158
4 x 2.5	21	10.2	11.3	12.4	208
4 x 4	28	11.5	12.8	13.9	290
4 x 6	36	12.5	13.9	15.1	385
4 x 10	50	14.5	16.1	17.4	587
4 x 16	67	16.8	18.7	20.1	863
4 x 25	89	20.7	23.0	24.7	1287
4 x 35	110	23.4	26.0	27.8	1738
4 x 50	137	26.6	29.5	31.5	2337
4 x 70	169	30.9	34.3	36.5	3271
4 x 95	205	34.9	38.8	41.2	4421
4 x 120	237	41.0	45.5	48.3	5570
4 x 150	272	45.7	50.8	53.8	6853
4 x 185	311	50.9	56.5	59.8	8496

Products on request
E= green/yellow core

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