

MPRX®-FLEX 0.6/1 (1.2) kV

APPLICATION

MPRX®-FLEX 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®-FLEX using is recommended for installations in narrow space.

MPRX®-FLEX 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

Flexible bare copper class 5

2.Insulation

XLPE

3.Outer sheath

Polyolefin SHF1 (Filler if necessary)

Colour: black

MARKING

NEXANS 448 MPRX-FLEX 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



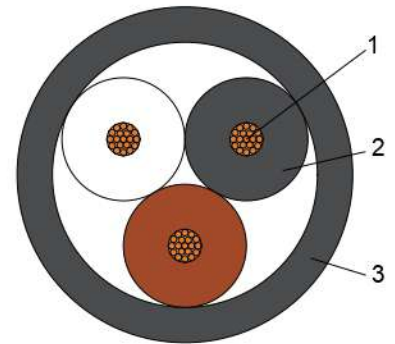
No toxicity



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

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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	9.9	11.0	12.1	181
7 x 1.5	12	10.7	11.9	13.0	219
10 x 1.5	10	13.8	15.3	16.6	322
12 x 1.5	10	14.4	16.0	17.3	369
14 x 1.5	10	15.0	16.7	18.0	411
19 x 1.5	9	16.8	18.7	20.1	528
24 x 1.5	8	19.7	21.9	23.5	668
27 x 1.5	8	20.2	22.4	24.0	726
30 x 1.5	7	20.8	23.1	24.8	786
37 x 1.5	7	23.0	25.5	27.3	970
5 x 2.5	18	10.9	12.1	13.2	244
7 x 2.5	16	12.2	13.5	14.7	313
10 x 2.5	14	15.4	17.1	18.5	448
12 x 2.5	13	15.8	17.6	19.0	504
14 x 2.5	12	16.8	18.7	20.1	576
19 x 2.5	11	18.6	20.7	22.2	735
24 x 2.5	10	22.4	24.9	26.6	967
27 x 2.5	10	22.9	25.4	27.2	1023
30 x 2.5	9	23.7	26.3	28.1	1114
37 x 2.5	9	25.7	28.5	30.4	1339
1 x 1.5	23	5.1	5.7	6.5	47
1 x 2.5	30	5.5	6.1	6.9	59
1 x 4	40	6.0	6.7	7.5	78
1 x 6	52	6.5	7.2	8.1	99
1 x 10	72	7.3	8.1	9.0	145
1 x 16	96	8.6	9.5	10.5	209
1 x 25	127	10.2	11.3	12.4	308
1 x 35	157	11.3	12.5	13.6	408
1 x 50	196	13.1	14.6	15.8	573
1 x 70	242	15.2	16.9	18.2	798
1 x 95	293	16.8	18.7	20.1	1023
1 x 120	339	18.5	20.6	22.1	1246
1 x 150	389	20.5	22.8	24.4	1544
1 x 185	444	23.2	25.8	27.6	1881
1 x 240	522	25.7	28.5	30.4	2416
1 x 300	601	28.1	31.2	33.3	3000

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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	7.8	8.7	9.6	106
2 x 2.5	26	8.7	9.7	10.7	141
2 x 4	34	9.8	10.9	11.9	187
2 x 6	44	10.7	11.9	13.0	242
2 x 10	61	12.7	14.1	15.3	368
2 x 16	82	15.4	17.1	18.5	534
2 x 25	108	18.5	20.5	22.0	791
2 x 35	133	20.8	23.1	24.8	1024
2 x 50	167	24.4	27.1	29.0	1436
2 x 70	206	28.4	31.5	33.6	1975
2 x 95	249	32.0	35.5	37.8	2559
2 x 120	288	35.2	39.1	41.6	3193
3 x 1.5/2 x 1.5 + E	16	8.3	9.2	10.2	123
3 x 2.5/2 x 2.5 + E	21	9.2	10.2	11.2	167
3 x 4	28	10.4	11.5	12.6	227
3 x 6	36	11.5	12.8	13.9	305
3 x 10	50	13.4	14.9	16.1	461
3 x 16	67	16.3	18.1	19.5	680
3 x 25	89	19.6	21.8	23.4	1013
3 x 35	110	22.5	25.0	26.8	1347
3 x 50	137	26.1	29.0	31.0	1877
3 x 70	169	30.4	33.8	36.0	2601
3 x 95	205	34.0	37.8	40.2	3358
3 x 120	237	37.7	41.9	44.5	4224
3 x 150	272	41.8	46.4	49.2	5233
3 x 185	311	47.2	52.4	55.5	6362
3 x 240	365	52.4	58.2	61.6	8187
4 x 1.5	16	9.1	10.1	11.1	150
4 x 2.5	21	10.0	11.1	12.2	201
4 x 4	28	11.5	12.8	13.9	282
4 x 6	36	12.8	14.2	15.4	380
4 x 10	50	14.9	16.5	17.8	586
4 x 16	67	18.1	20.1	21.6	868
4 x 25	89	22.1	24.6	26.3	1284
4 x 35	110	24.9	27.7	29.6	1726
4 x 50	137	29.0	32.2	34.3	2406
4 x 70	169	33.7	37.4	39.8	3346
4 x 95	205	38.0	42.2	44.8	4344
4 x 120	237	41.9	46.5	49.3	5446
4 x 150	272	46.5	51.7	54.8	6771
4 x 185	311	52.6	58.4	61.8	8228

Products on request
E= green/yellow core

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