

MPRXCX[®] -FLEX 0.6/1 (1.2) kV

APPLICATION

MPRXCX[®]-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. MPRXCX[®]-FLEX using is recommended for installations in narrow space. MPRXCX[®]-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.Inner covering (Filler if necessary)

Polyester tape

4.Armouring

Bare copper wire braid

5.Outer sheath

Polyolefin SHF1

Colour: black

MARKING

NEXANS 448 MPRXCX-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



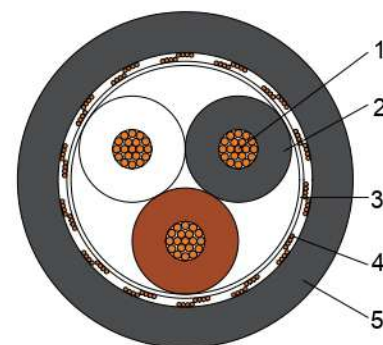
No toxicity



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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MPRXCX-FLEX 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	10.6	11.5	12.4	213
7 x 1.5	12	11.5	12.4	13.3	256
10 x 1.5	10	14.9	16.0	17.1	397
12 x 1.5	10	15.6	16.7	17.8	442
14 x 1.5	10	16.5	17.7	18.9	492
19 x 1.5	9	18.1	19.4	20.7	628
24 x 1.5	8	21.2	22.7	24.2	772
27 x 1.5	8	21.7	23.2	24.7	835
30 x 1.5	7	22.2	23.7	25.2	914
37 x 1.5	7	24.4	26.0	27.6	1079
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	11.8	12.7	13.6	280
7 x 2.5	16	13.4	14.4	15.4	380
10 x 2.5	14	16.7	17.9	19.1	538
12 x 2.5	13	17.3	18.5	19.7	590
14 x 2.5	12	18.2	19.5	20.8	670
19 x 2.5	11	20.0	21.4	22.8	845
24 x 2.5	10	23.5	25.1	26.7	1080
27 x 2.5	10	24.0	25.6	27.2	1161
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	30.7	32.7	34.7	1912
1 x 1.5	23	5.8	6.4	7.0	68
1 x 2.5	30	6.2	6.8	7.4	83
1 x 4	40	6.5	7.2	7.9	101
1 x 6	52	7.0	7.7	8.4	125
1 x 10	72	8.4	9.1	9.9	184
1 x 16	96	9.5	10.3	11.1	250
1 x 25	127	11.3	12.2	13.1	365
1 x 35	157	12.3	13.3	14.3	465
1 x 50	196	14.4	15.5	16.6	669
1 x 70	242	16.6	17.8	19.0	900
1 x 95	293	18.4	19.7	21.0	1140
1 x 120	339	20.5	21.9	23.3	1361
1 x 150	389	22.4	23.9	25.4	1696
1 x 185	444	24.7	26.3	27.9	2038
1 x 240	522	27.7	29.5	31.3	2573
1 x 300	601	30.3	32.2	34.1	3166

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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	8.5	9.3	10.1	123
2 x 2.5	26	9.3	10.1	10.9	166
2 x 4	34	10.6	11.5	12.4	215
2 x 6	44	11.6	12.5	13.4	274
2 x 10	61	14.2	15.3	16.4	429
2 x 16	82	16.7	17.9	19.1	597
2 x 25	108	19.9	21.3	22.7	847
2 x 35	133	22.4	23.9	25.4	1118
2 x 50	167	25.6	27.3	29.0	1472
2 x 70	206	30.6	32.5	34.4	2087
2 x 95	249	34.2	36.3	38.4	2662
2 x 120	288	38.3	40.6	42.9	3370
3 x 1.5/2 x 1.5 + E	16	9.0	9.8	10.6	146
3 x 2.5/2 x 2.5 + E	21	9.8	10.6	11.4	191
3 x 4	28	11.2	12.1	13.0	247
3 x 6	36	12.2	13.2	14.2	315
3 x 10	50	14.6	15.7	16.8	536
3 x 16	67	17.8	19.0	20.3	767
3 x 25	89	21.6	23.1	24.6	1117
3 x 35	110	23.9	25.5	27.1	1430
3 x 50	137	27.7	29.5	31.3	1933
3 x 70	169	32.3	34.3	36.3	2646
3 x 95	205	36.1	38.3	40.5	3363
3 x 120	237	40.4	42.8	45.2	4420
3 x 150	272	45.6	48.3	51.0	5463
3 x 185	311	51.3	54.3	57.3	6702
3 x 240	365	55.3	58.5	61.7	8332
4 x 1.5	16	9.9	10.7	11.5	176
4 x 2.5	21	11.0	11.9	12.8	232
4 x 4	28	12.1	13.1	14.1	305
4 x 6	36	14.0	15.0	16.1	438
4 x 10	50	16.6	17.8	19.0	674
4 x 16	67	19.6	20.9	22.2	954
4 x 25	89	23.5	25.0	26.6	1355
4 x 35	110	26.4	28.1	29.8	1809
4 x 50	137	30.5	32.4	34.3	2495
4 x 70	169	36.4	38.6	40.8	3415
4 x 95	205	41.3	43.8	46.3	4505
4 x 120	237	45.5	48.2	50.9	5550
4 x 150	272	50.6	53.6	56.6	7087
4 x 185	311	57.0	60.3	63.6	8666

Products on request
E= green/yellow core

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