

MPRX® 331 0.6/1 (1.2) kV

APPLICATION

MPRX® 331 type is used on board of ships in all locations below the upper metallic deck for fixed installations complying with IEC standards 60092-352 and in safety circuits, where fire resistance is required. MPRX® 331 type meets the IEC 60331 fire resistant performances, 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

Mica tape + XLPE

3. Outer sheath

Polyolefin SHF1 (Filler if necessary)

Colour: black

MARKING

NEXANS 448 MPRX 331 0.6/1kV «n» x «s» mm² 90°C IEC 60332-3-22 IEC 60331 «WW/YY» *CE* + Metric Marking



Fire resistant
IEC 60331-21
IEC 60331-1 or 2



Fire retardant
IEC 60332-3-22



Flame retardant
IEC 60332-1



Halogen-free
IEC 60754-1
IEC 60684-2



Low smoke
IEC 61034



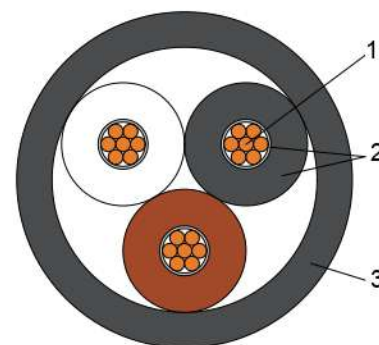
No toxicity



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 60331
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	12.1	13.4	14.6	170
7 x 1.5	12	13.2	14.7	15.9	175
10 x 1.5	10	16.8	18.7	20.1	231
12 x 1.5	10	17.4	19.3	20.8	233
14 x 1.5	10	18.5	20.5	22.0	251
19 x 1.5	9	20.4	22.7	24.3	273
24 x 1.5	8	24.6	27.3	29.2	375
27 x 1.5	8	25.1	27.9	29.8	379
30 x 1.5	7	26.0	28.9	30.8	391
37 x 1.5	7	28.2	31.3	33.4	432
5 x 2.5	18	13.1	14.6	15.8	211
7 x 2.5	16	14.3	15.9	17.2	212
10 x 2.5	14	18.5	20.5	22.0	287
12 x 2.5	13	19.0	21.1	22.7	287
14 x 2.5	12	20.0	22.2	23.8	297
19 x 2.5	11	22.8	25.3	27.1	359
24 x 2.5	10	26.9	29.9	31.9	450
27 x 2.5	10	27.5	30.5	32.5	454
30 x 2.5	9	28.4	31.6	33.7	467
37 x 2.5	9	30.9	34.3	36.5	516
1 x 1.5	23	5.9	6.5	7.3	58
1 x 2.5	30	6.2	6.9	7.7	70
1 x 4	40	6.7	7	8.3	89
1 x 6	52	7.0	8	8.7	110
1 x 10	72	7.7	9	9.5	156
1 x 16	96	8.8	10	10.8	224
1 x 25	127	10.3	11	12.5	328
1 x 35	157	11.3	13	13.7	433
1 x 50	196	12.7	14	15.3	572
1 x 70	242	14.6	16	17.5	798
1 x 95	293	16.1	18	19.3	1033
1 x 120	339	18.7	21	22.3	1302
1 x 150	389	20.7	23	24.7	1590
1 x 185	444	23.2	26	27.6	1987
1 x 240	522	25.9	29	30.7	2595
1 x 300	601	28.3	31	33.5	3170

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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	9.5	10.5	11.5	138
2 x 2.5	26	10.2	11.3	12.4	171
2 x 4	34	11.1	12	13.4	219
2 x 6	44	12.2	14	14.7	288
2 x 10	61	13.6	15	16.4	402
2 x 16	82	15.6	17	18.7	568
2 x 25	108	18.6	21	22.2	847
2 x 35	133	20.6	23	24.5	1076
2 x 50	167	23.5	26	27.9	1451
2 x 70	206	27.3	30	32.3	2008
2 x 95	249	30.5	34	36.1	2660
2 x 120	288	35.6	40	42.0	3336
3 x 1.5/2 x 1.5 + E	16	10.0	11.1	12.2	137
3 x 2.5/2 x 2.5 + E	21	10.7	11.9	13.0	169
3 x 4	28	12.1	13	14.6	228
3 x 6	36	12.9	14	15.5	282
3 x 10	50	14.6	16	17.5	402
3 x 16	67	16.6	18	19.8	557
3 x 25	89	20.0	22	23.8	838
3 x 35	110	22.5	25	26.8	1085
3 x 50	137	25.2	28	29.9	1428
3 x 70	169	29.1	32	34.4	1957
3 x 95	205	32.7	36	38.6	2609
3 x 120	237	38.1	42	44.9	3271
3 x 150	272	42.3	47	49.9	4012
3 x 185	311	46.8	52	55.1	4926
3 x 240	365	52.6	58	61.8	6401
4 x 1.5	16	10.9	12.1	13.2	144
4 x 2.5	21	11.9	13.2	14.4	183
4 x 4	28	13.1	15	15.8	243
4 x 6	36	14.0	16	16.9	297
4 x 10	50	15.9	18	19.1	422
4 x 16	67	18.4	20	21.9	592
4 x 25	89	22.5	25	26.8	908
4 x 35	110	24.8	28	29.5	1141
4 x 50	137	27.9	31	33.1	1495
4 x 70	169	32.4	36	38.3	2056
4 x 95	205	36.3	40	42.8	2714
4 x 120	237	42.5	47	50.1	3426
4 x 150	272	47.0	52	55.3	4166
4 x 185	311	52.1	58	61.3	5137

Products on request
E= green/yellow core

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