

TX[®] (I) 150/250 (300) V

APPLICATION

TX[®] (I) type is used on board of ships in all locations below the upper metallic deck for fixed installations complying with IEC standards 60092-352. TX[®] (I) 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. Individual screen

Alu/Polyester tape with a tinned copper drain wire

4. Outer sheath

Polyolefin SHF1

Colour: orange

MARKING

NEXANS 448 TX (I) 150/250V «n» x 2 «or» 3 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



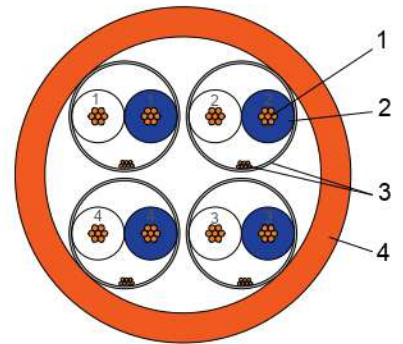
No corrosivity
IEC 60754-2



-30 +80°C



EMI



Note: Cable drawing is only for reference.

CORE IDENTIFICATION

1P&1T

Core 1: white

Core 2: blue

Core 3: red

2P&2T AND ABOVE

Core 1: white + printed number

Core 2: blue + printed number

Core 3: red + printed number

STANDARDS

IEC 60228
IEC 60092-350
IEC 60092-376
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.

TX[®] (I) 150/250 (300)V

Cables (mm ²)	Outer diameter			Weight approx. (kg/km)
	Min.(mm)	Nom.(mm)	Max.(mm)	
1 x 2 x 0.5	5.8	6.4	7.2	59
2 x 2 x 0.5	8.5	9.4	10.4	118
3 x 2 x 0.5	9	10	11	135
4 x 2 x 0.5	10	11.1	12.2	166
5 x 2 x 0.5	10.9	12.1	13.2	204
7 x 2 x 0.5	12	13.3	14.5	247
8 x 2 x 0.5	13.1	14.6	15.8	284
10 x 2 x 0.5	15.5	17.2	18.6	364
12 x 2 x 0.5	15.9	17.7	19.1	404
14 x 2 x 0.5	16.9	18.8	20.2	461
16 x 2 x 0.5	17.8	19.8	21.3	521
19 x 2 x 0.5	19	21.1	22.7	590
24 x 2 x 0.5	22.2	24.7	26.4	747
27 x 2 x 0.5	22.8	25.3	27.1	810
30 x 2 x 0.5	23.6	26.2	28	878
37 x 2 x 0.5	25.6	28.4	30.3	1022
44 x 2 x 0.5	28.9	32.1	34.2	1221
48 x 2 x 0.5	29.3	32.6	34.7	1288
1 x 2 x 0.75	6.5	7.2	8.1	75
2 x 2 x 0.75	10	11.1	12.2	162
3 x 2 x 0.75	10.5	11.7	12.8	185
4 x 2 x 0.75	11.7	13	14.2	226
5 x 2 x 0.75	13	14.4	15.6	286
7 x 2 x 0.75	14	15.6	16.9	336
8 x 2 x 0.75	15.4	17.1	18.5	383
10 x 2 x 0.75	18.4	20.4	21.9	506
12 x 2 x 0.75	19	21.1	22.7	561
14 x 2 x 0.75	20	22.2	23.8	626
16 x 2 x 0.75	21.2	23.6	25.3	720
19 x 2 x 0.75	22.3	24.8	26.5	801
24 x 2 x 0.75	26.5	29.4	31.4	1031
27 x 2 x 0.75	27	30	32	1084
30 x 2 x 0.75	28	31.1	33.2	1176
37 x 2 x 0.75	30.4	33.8	36	1409
44 x 2 x 0.75	34.4	38.2	40.6	1682
48 x 2 x 0.75	35.1	39	41.5	1792
1 x 2 x 1.0	6.8	7.6	8.5	85
2 x 2 x 1.0	10.6	11.8	12.9	186
3 x 2 x 1.0	11.3	12.5	13.6	216
4 x 2 x 1.0	12.7	14.1	15.3	273
5 x 2 x 1.0	13.9	15.4	16.7	337

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.

TX® (I) 150/250 (300)V

Cables (mm ²)	Outer diameter			Weight approx. (kg/km)
	Min.(mm)	Nom.(mm)	Max.(mm)	
7 x 2 x 1.0	15	16.7	18	402
8 x 2 x 1.0	16.7	18.5	19.9	467
10 x 2 x 1.0	19.7	21.9	23.5	603
12 x 2 x 1.0	20.3	22.6	24.2	673
14 x 2 x 1.0	21.5	23.9	25.6	764
16 x 2 x 1.0	22.7	25.2	27	867
19 x 2 x 1.0	23.9	26.6	28.4	970
24 x 2 x 1.0	28.4	31.5	33.6	1211
27 x 2 x 1.0	29	32.2	34.3	1316
30 x 2 x 1.0	30.2	33.6	35.8	1447
37 x 2 x 1.0	32.7	36.3	38.6	1720
44 x 2 x 1.0	37.1	41.2	43.8	2073
48 x 2 x 1.0	37.7	41.9	44.5	2192
1 x 2 x 1.5	7.6	8.4	9.3	108
2 x 2 x 1.5	12.2	13.6	14.8	256
3 x 2 x 1.5	13	14.4	15.6	295
4 x 2 x 1.5	14.2	15.8	17.1	352
5 x 2 x 1.5	15.8	17.5	18.9	445
7 x 2 x 1.5	17.6	19.5	21	550
8 x 2 x 1.5	18.9	21	22.6	614
10 x 2 x 1.5	22.4	24.9	26.6	794
12 x 2 x 1.5	23.3	25.9	27.7	898
14 x 2 x 1.5	24.6	27.3	29.2	1006
16 x 2 x 1.5	26.1	29	31	1123
19 x 2 x 1.5	27.5	30.6	32.6	1256
24 x 2 x 1.5	32.6	36.2	38.5	1610
27 x 2 x 1.5	33.3	37	39.4	1748
30 x 2 x 1.5	34.7	38.6	41	1920
37 x 2 x 1.5	37.7	41.9	44.5	2302
44 x 2 x 1.5	42.8	47.5	50.4	2768
48 x 2 x 1.5	43.5	48.3	51.2	2923
1 x 2 x 2.5	8.3	9.2	10.2	139
2 x 2 x 2.5	13.5	15	16.3	330
3 x 2 x 2.5	14.5	16.1	17.4	393
4 x 2 x 2.5	15.9	17.7	19.1	471
5 x 2 x 2.5	17.8	19.8	21.3	606
7 x 2 x 2.5	19.4	21.6	23.2	729
8 x 2 x 2.5	21.2	23.6	25.3	827
10 x 2 x 2.5	25.4	28.2	30.1	1052
12 x 2 x 2.5	26.2	29.1	31.1	1178
14 x 2 x 2.5	27.5	30.6	32.6	1323

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.

TX[®] (I) 150/250 (300)V

Cables (mm ²)	Outer diameter			Weight approx. (kg/km)
	Min.(mm)	Nom.(mm)	Max.(mm)	
16 x 2 x 2.5	29.3	32.5	34.6	1520
19 x 2 x 2.5	31.1	34.5	36.7	1725
24 x 2 x 2.5	36.8	40.9	43.4	2206
27 x 2 x 2.5	37.6	41.8	44.4	2403
30 x 2 x 2.5	39.2	43.5	46.2	2638
37 x 2 x 2.5	42.5	47.2	50.1	3169
44 x 2 x 2.5	48.2	53.6	56.8	3805
48 x 2 x 2.5	49.1	54.5	57.7	4026
1 x 3 x 0.5	6.0	6.7	7.5	65
2 x 3 x 0.5	9.5	10.6	11.6	146
3 x 3 x 0.5	10.1	11.2	12.3	169
4 x 3 x 0.5	11	12.2	13.3	202
5 x 3 x 0.5	12.4	13.8	15	263
7 x 3 x 0.5	13.4	14.9	16.1	312
8 x 3 x 0.5	14.7	16.3	17.6	357
10 x 3 x 0.5	17.4	19.3	20.8	459
12 x 3 x 0.5	17.9	19.9	21.4	512
14 x 3 x 0.5	19.0	21.1	22.7	584
16 x 3 x 0.5	20.1	22.3	23.9	648
19 x 3 x 0.5	21.2	23.6	25.3	761
24 x 3 x 0.5	25.0	27.8	29.7	949
27 x 3 x 0.5	25.6	28.4	30.3	1030
30 x 3 x 0.5	26.5	29.4	31.4	1087
37 x 3 x 0.5	28.7	31.9	34.0	1306
44 x 3 x 0.5	32.7	36.3	38.6	1576
48 x 3 x 0.5	33.2	36.9	39.2	1667
1 x 3 x 0.75	6.8	7.5	8.4	84
2 x 3 x 0.75	10.9	12.1	13.2	193
3 x 3 x 0.75	11.7	13	14.2	232
4 x 3 x 0.75	13.0	14.4	15.6	285
5 x 3 x 0.75	14.2	15.8	17.1	351
7 x 3 x 0.75	15.7	17.4	18.8	429
8 x 3 x 0.75	17.3	19.2	20.7	499
10 x 3 x 0.75	20.3	22.5	24.1	630
12 x 3 x 0.75	21.1	23.4	25.1	715
14 x 3 x 0.75	22.1	24.6	26.3	800
16 x 3 x 0.75	23.6	26.2	28.0	920
19 x 3 x 0.75	24.8	27.6	29.5	1030
24 x 3 x 0.75	29.4	32.7	34.8	1283
27 x 3 x 0.75	30.1	33.4	35.6	1394
30 x 3 x 0.75	31.1	34.6	36.8	1516

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.

TX® (I) 150/250 (300)V

Cables (mm ²)	Outer diameter			Weight approx. (kg/km)
	Min.(mm)	Nom.(mm)	Max.(mm)	
37 x 3 x 0.75	33.8	37.6	40.0	1821
44 x 3 x 0.75	38.4	42.7	45.3	2192
48 x 3 x 0.75	39.1	43.4	46.1	2318
1 x 3 x 1.0	7.2	8.0	8.9	98
2 x 3 x 1.0	11.9	13.2	14.4	231
3 x 3 x 1.0	12.8	14.2	15.4	280
4 x 3 x 1.0	14.0	15.6	16.9	338
5 x 3 x 1.0	15.6	17.3	18.7	428
7 x 3 x 1.0	17.1	19.0	20.5	526
8 x 3 x 1.0	18.7	20.8	22.3	600
10 x 3 x 1.0	22.1	24.6	26.3	769
12 x 3 x 1.0	22.9	25.4	27.2	864
14 x 3 x 1.0	24.0	26.7	28.5	971
16 x 3 x 1.0	25.6	28.4	30.3	1085
19 x 3 x 1.0	27.0	30.0	32.0	1221
24 x 3 x 1.0	32.0	35.5	37.8	1563
27 x 3 x 1.0	32.7	36.3	38.6	1704
30 x 3 x 1.0	34.1	37.9	40.3	1876
37 x 3 x 1.0	37.0	41.1	43.7	2256
44 x 3 x 1.0	42.0	46.7	49.5	2713
48 x 3 x 1.0	42.8	47.5	50.4	2878
1 x 3 x 1.5	7.9	8.8	9.7	125
2 x 3 x 1.5	13.4	14.9	16.1	313
3 x 3 x 1.5	14.5	16.1	17.4	378
4 x 3 x 1.5	15.8	17.6	19.0	454
5 x 3 x 1.5	17.7	19.7	21.2	582
7 x 3 x 1.5	19.4	21.5	23.1	705
8 x 3 x 1.5	21.1	23.4	25.1	800
10 x 3 x 1.5	25.0	27.8	29.7	1030
12 x 3 x 1.5	26.0	28.9	30.8	1138
14 x 3 x 1.5	27.4	30.4	32.4	1280
16 x 3 x 1.5	29.1	32.3	34.4	1469
19 x 3 x 1.5	30.9	34.3	36.5	1671
24 x 3 x 1.5	36.5	40.6	43.1	2135
27 x 3 x 1.5	37.4	41.5	44.1	2328
30 x 3 x 1.5	38.8	43.1	45.8	2538
37 x 3 x 1.5	42.3	47.0	49.9	3075
44 x 3 x 1.5	48.0	53.3	56.5	3689
48 x 3 x 1.5	48.8	54.2	57.4	3911

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.

TX[®] (I) 150/250 (300)V

Cables (mm ²)	Outer diameter			Weight approx. (kg/km)
	Min.(mm)	Nom.(mm)	Max.(mm)	
1 x 3 x 2.5	8.9	9.9	10.9	169
2 x 3 x 2.5	15.1	16.8	18.1	421
3 x 3 x 2.5	16.1	17.9	19.3	503
4 x 3 x 2.5	18.0	20.0	21.5	629
5 x 3 x 2.5	20.0	22.2	23.8	792
7 x 3 x 2.5	21.8	24.2	25.9	969
8 x 3 x 2.5	23.8	26.4	28.2	1069
10 x 3 x 2.5	28.4	31.6	33.7	1389
12 x 3 x 2.5	29.3	32.6	34.7	1569
14 x 3 x 2.5	31.1	34.6	36.8	1787
16 x 3 x 2.5	32.9	36.5	38.8	2031
19 x 3 x 2.5	34.8	38.7	41.1	2317
24 x 3 x 2.5	41.5	46.1	48.9	2979
27 x 3 x 2.5	42.5	47.2	50.1	3258
30 x 3 x 2.5	44.2	49.1	52.1	3580
37 x 3 x 2.5	48.0	53.3	56.5	4313
44 x 3 x 2.5	54.5	60.6	64.1	5195
48 x 3 x 2.5	55.5	61.7	65.3	5518

Products on request