

MPRXCX® / MPRXCX® FLEXISHIP® 0.6/1 (1.2) kV

POWER & CONTROL CABLES with screen

Description

Applications

MPRXCX® cable type is used on board of ships at all levels and open decks for fixed installations, complying with IEC 60092-352.

MPRXCX® FLEXISHIP® is recommended for installations in narrow space, and in particular for connexions. Bending force is reduced by 30% compared with regular class 2 connectors.

The good screening qualities of the braid also reduce radio interference and electrical influences to electronic installations.

MPRXCX® and MPRXCX® FLEXISHIP® types withstand IEC 60332-3-22 fire test on bunched cables and perform to the SOLAS requirements.



Design

All materials used to manufacture this cable are halogen-free. This design ensures that non corrosive and low toxic gases are emitted in case of fire. Therefore, this cable type is especially designed for installations on passenger ships.

Standards

International IEC 60092-350;
IEC 60092-353; IEC 60092-360;
IEC 60228; IEC 60332-1;
IEC 60332-3-22; IEC 60754-1;
IEC 60754-2; IEC 61034

1. Conductor

Stranded bare copper, class 2
or flexible bare copper, class 5 for FLEXISHIP® types
(cross sections $\geq 35 \text{ mm}^2$)

2. Insulation

XLPE (cross-linked polyethylene)

3. Inner covering

(Filler, if necessary)
Lapped

4. Armouring

Bare copper braid

5. Outer sheath

Polyolefin SHF1 (SHF2 on request)
Colour: black

Marking

I NEXANS I MPRXCX or MPRXCX FLEXISHIP "n" x "s" mm² 0.6/1 kV 90°C

IEC 60092-353 IEC 60332-3-22 Cat. A "ww/yy" + metric marking

							
Halogen free IEC 60754-1	Fire retardant IEC 60332-3-22	Flame retardant IEC 60332-1	Gases toxicity No	Gases corrosivity IEC 60754-2	Smoke density IEC 61034	Electro magnetic interference resistance Yes	Operating temp. range -30 .. 80 °C

MPRXCX® / MPRXCX® FLEXISHIP® 0.6/1 (1.2) kV

Characteristics

Construction characteristics	
Halogen free	IEC 60754-1
Sheath colour	Black
Usage characteristics	
Fire retardant	IEC 60332-3-22
Flame retardant	IEC 60332-1
Gases toxicity	No
Gases corrosivity	IEC 60754-2
Smoke density	IEC 61034
Electro magnetic interference resistance	Yes
Standard	IEC
Operating temperature, range	-30 .. 80 °C
Max. conductor temperature in service	90 °C

Product List

☎ = Make to order, 📦 = In stock

Nexans ref.	Nb. of cores	Cross section (mm²)	Conductor flexibility	Min. outer diam. (mm)	Max. outer diam. (mm)	Approx. weight (kg/km)
☎ 2549xxxx	1	1.5	Stranded class 2	5.8	7.2	70
☎ 2549xxxx	1	2.5	Stranded class 2	6.2	7.6	80
☎ 2549xxxx	1	4	Stranded class 2	6.6	8.4	100
☎ 25493062	1	6	Stranded class 2	7.0	8.2	120
☎ 25493063	1	10	Stranded class 2	8.0	9.4	180
☎ 25493064	1	16	Stranded class 2	9.5	10.5	250
☎ 25490901	1	25	Stranded class 2	10.5	12.5	360
☎ 25491700	1	35	Flexible class 5	12.5	15.5	430
☎ 25491702	1	50	Flexible class 5	14.5	16.5	630
☎ 25491703	1	70	Flexible class 5	16.5	19.0	870
☎ 25491704	1	95	Flexible class 5	18.5	21.0	1100
☎ 25493097	1	120	Flexible class 5	20.5	23.0	1340
☎ 25491706	1	150	Flexible class 5	23.0	27.0	1640
☎ 25491707	1	185	Flexible class 5	24.7	27.2	1990
☎ 25491708	1	240	Flexible class 5	28.5	31.5	2500
☎ 25491600	2	1.5	Stranded class 2	9.0	10.5	130
☎ 25491601	2	2.5	Stranded class 2	9.1	11.5	160

☎ = Make to order, 📦 = In stock

							
Halogen free IEC 60754-1	Fire retardant IEC 60332-3-22	Flame retardant IEC 60332-1	Gases toxicity No	Gases corrosivity IEC 60754-2	Smoke density IEC 61034	Electro magnetic interference resistance Yes	Operating temp. range -30 .. 80 °C

MPRXCX® / MPRXCX® FLEXISHIP® 0.6/1 (1.2) kV

Nexans ref.	Nb. of cores	Cross section (mm²)	Conductor flexibility	Min. outer diam. (mm)	Max. outer diam. (mm)	Approx. weight (kg/km)
☎ 25491615	2	4	Stranded class 2	10.3	13.0	210
☎ 25491622	2	6	Stranded class 2	11.5	14.0	280
☎ 25491626	2	10	Stranded class 2	13.5	16.0	430
☎ 25491628	2	16	Stranded class 2	16.0	18.5	600
☎ 25491631	2	25	Stranded class 2	19.0	22.5	880
☎ 25491602	3	1.5	Stranded class 2	8.8	11.0	150
☎ 25491612	3	2.5	Stranded class 2	10.0	12.0	170
☎ 25491616	3	4	Stranded class 2	11.0	13.5	260
☎ 25491623	3	6	Stranded class 2	12.0	14.0	330
☎ 25491625	3	10	Stranded class 2	14.0	17.0	530
☎ 25491629	3	16	Stranded class 2	16.5	19.5	770
☎ 25491632	3	25	Stranded class 2	20.5	23.5	1040
☎ 25491719	3	35	Flexible class 5	24.0	27.0	1370
☎ 25491720	3	50	Flexible class 5	28.0	31.0	1860
☎ 25491721	3	70	Flexible class 5	27.5	31.5	2360
☎ 25491722	3	95	Flexible class 5	31.5	36.0	3010
☎ 25491723	3	120	Flexible class 5	35.0	39.5	3880
☎ 25491724	3	150	Flexible class 5	39.5	43.5	4800
☎ 25491603	4	1.5	Stranded class 2	9.8	12.0	180
☎ 25491613	4	2.5	Stranded class 2	11.0	13.0	240
☎ 25491617	4	4	Stranded class 2	12.5	15.0	280
☎ 25491731	4	4	Flexible class 5	12.5	15.5	280
☎ 25491624	4	6	Stranded class 2	13.5	16.0	450
☎ 25491627	4	10	Stranded class 2	15.5	18.5	640
☎ 25491630	4	16	Stranded class 2	18.5	21.5	930
☎ 25491633	4	25	Stranded class 2	22.5	26.0	1380
☎ 25491736	4	35	Flexible class 5	26.5	29.5	1720
☎ 25491737	4	50	Flexible class 5	31.0	34.5	2400
☎ 25491738	4	70	Flexible class 5	35.7	42.0	3370
☎ 25490306	5	1.5	Stranded class 2	10.5	13.0	230
☎ 25490407	5	2.5	Stranded class 2	12.0	14.5	290
☎ 2549xxxx	5	4	Stranded class 2	14.5	16.5	360
☎ 2549xxxx	5	6	Stranded class 2	15.0	17.5	490
☎ 2549xxxx	5	10	Stranded class 2	17.5	20.0	720
☎ 25490309	7	1.5	Stranded class 2	11.5	14.0	270
☎ 25491512	7	2.5	Stranded class 2	14.0	16.0	390
☎ 25490311	10	1.5	Stranded class 2	15.5	17.5	370

☎ = Make to order, 📦 = In stock

							
Halogen free IEC 60754-1	Fire retardant IEC 60332-3-22	Flame retardant IEC 60332-1	Gases toxicity No	Gases corrosivity IEC 60754-2	Smoke density IEC 61034	Electro magnetic interference resistance Yes	Operating temp. range -30 .. 80 °C

MPRXCX® / MPRXCX® FLEXISHIP® 0.6/1 (1.2) kV

Nexans ref.	Nb. of cores	Cross section (mm²)	Conductor flexibility	Min. outer diam. (mm)	Max. outer diam. (mm)	Approx. weight (kg/km)
☎ 25490312	12	1.5	Stranded class 2	15.5	18.0	460
☎ 2540xxxx	12	2.5	Stranded class 2	17.0	20.5	610
☎ 25490314	14	1.5	Stranded class 2	16.5	19.0	460
☎ 2549xxxx	16	1.5	Stranded class 2	17.5	20.0	510
☎ 25405938	19	1	Stranded class 2	17.5	20.0	480
☎ 25490320	19	1.5	Stranded class 2	18.0	21.0	650
☎ 2945xxxx	19	2.5	Stranded class 2	20.0	23.5	870
☎ 2540xxxx	24	1.5	Stranded class 2	21.0	24.5	760
☎ 2540xxxx	24	2.5	Stranded class 2	24.5	27.5	1000
☎ 25493106	27	1.5	Stranded class 2	21.5	24.5	870
☎ 2549xxxx	27	2.5	Stranded class 2	24.0	28.0	1200
☎ 25493107	37	1.5	Stranded class 2	24.0	27.5	1060
☎ 2549xxxx	37	2.5	Stranded class 2	27.0	29.2	1560

☎ = Make to order, 📦 = In stock


 Halogen free
IEC 60754-1

 Fire retardant
IEC 60332-3-22

 Flame retardant
IEC 60332-1

 Gases toxicity
No

 Gases corrosivity
IEC 60754-2

 Smoke density
IEC 61034

 Electro magnetic
interference resistance
Yes

 Operating temp.
range
-30 .. 80 °C