

Description

Application

MPRXCX® 331 type is used on board of ships at all levels and open decks for installations complying with IEC standards 60092-352 and in safety circuits where fire resistance is required.

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

MPRXCX® 331 type meets the IEC 60331 fire characteristics, withstands the IEC 60332-3 category A fire test on bunched cables and performs to the SOLAS requirements.

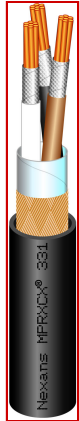
Design

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. Therefore, this cable type is especially designed for installations on passenger ships.

1. **Conductor**
Bare copper
Stranded class 2
2. **Insulation**
 - Cross section 1.5 - 2.5 - 4 mm²:
Special Fire Resistant
Halogen Free Compound **1000°C**
 - Cross section > 6mm² :
Mica Tape + XLPE
(cross linked polyethylene)
(sector shaped >70mm² 3 cores)
3. **Inner covering:**
Lapped or extruded
4. **Armouring:**
Bare copper braid
5. **Outer sheath**
Polyolefin
Colour black







Type Approval Certificates

American Bureau of Shipping, Bureau Veritas, China Classification Society, Det Norske Veritas, Germanischer Lloyd, Lloyd's Register of Shipping, Registro Italiano navale



Standards

International IEC 60092-350;
IEC 60092-353; IEC 60228; IEC
60331; IEC 60332-3 Cat.A; IEC
60754-1; IEC 60754-2; IEC
61034

					
Halogen free	Fire resistant	Fire retardant	Smoke density	Gases toxicity	Gases corrosivity
IEC 60754-1	IEC 60331	IEC 60332-3 Cat.A	IEC 61034	No	No IEC 60754-2

Related Information







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
- from 5 cores and above : white with black printed numbers

Marking

NEXANS 205 MPRXCX 331* 0.6/1 kV "n" x "s" mm² 90C IEC 60332-3A "WW/YY" * **CE*** + Metric marking

* MPRXCX 331 1000°C for cross section 1.5 - 2.5 - 4 mm²

					
Halogen free	Fire resistant	Fire retardant	Smoke density	Gases toxicity	Gases corrosivity
IEC 60754-1	IEC 60331	IEC 60332-3 Cat.A	IEC 61034	No	No IEC 60754-2

MPRXCX® 331 0.6/1 (1.2) kV

Characteristics

Construction characteristics

Conductor material	Bare copper
Conductor flexibility	Stranded class 2
Insulation	XLPE + Mica tape
Inner sheath	Lapped or extruded inner covering
Armour type	Bare copper braid
Outer sheath	Polyolefin
Halogen free	IEC 60754-1

Electrical characteristics

Rated Voltage U ₀ /U	0.6 / 1 kV
Operating voltage	250 V

Usage characteristics

Fire resistant	IEC 60331
Fire retardant	IEC 60332-3 Cat.A
Smoke density	IEC 61034
Gases toxicity	No
Gases corrosivity	No IEC 60754-2
Maximum core temperature still	85 °C
Operating temperature, range	-30 .. 75 °C
Electro magnetic interference resistance	Yes

Product List

Nexans ref.	Name	Conductor cross-section (mm ²)	Number of cores	Jacket color
01101497	MPRXCX 331 10X1 250V	1	10	Black
01101237	MPRXCX 331 10X1 250V	1	10	Black
01003448	MPRXCX 331 10X1 250V ORANGE	1	10	Orange
01101996	MPRXCX 331 12X1.5	1.5	12	Black
01101502	MPRXCX 331 12X1.5	1.5	12	Black
	MPRXCX 331 12X2.5	2.5	12	Black
01101355	MPRXCX 331 14X1 250V	1	14	Black
01101498	MPRXCX 331 14X1 250V	1	14	Black
01105822	MPRXCX 331 14X1 250V ORANGE	1	14	Orange
01101239	MPRXCX 331 19X1 250V	1	19	Black
01101499	MPRXCX 331 19X1 250V	1	19	Black
01105823	MPRXCX 331 19X1 250V ORANGE	1	19	Orange
01101208	MPRXCX 331 19X1.5 RR	1.5	19	Black
	MPRXCX 331 19X2.5	2.5	19	Black
	MPRXCX 331 1X120	120	1	Black
	MPRXCX 331 1X25	25	1	Black
	MPRXCX 331 1X35	35	1	Black
	MPRXCX 331 1X50	50	1	Black
	MPRXCX 331 1X70	70	1	Black

Nexans ref.	Name	Conductor cross-section (mm ²)	Number of cores	Jacket color
	MPRXCX 331 1X95	95	1	Black
01105699	MPRXCX 331 27X1.5 RR	1.5	27	Black
	MPRXCX 331 27X2.5	2.5	27	Black
10045329	MPRXCX 331 2X1.5 RR	1.5	2	Black
	MPRXCX 331 2X10	10	2	Black
	MPRXCX 331 2X16	16	2	Black
10008269	MPRXCX 331 2X2.5	2.5	2	Black
	MPRXCX 331 2X25	25	2	Black
	MPRXCX 331 2X35	35	2	Black
	MPRXCX 331 2X4	4	2	Black
	MPRXCX 331 2X50	50	2	Black
	MPRXCX 331 2X6	6	2	Black
01105981	MPRXCX 331 37X1.5	1.5	37	Black
10045330	MPRXCX 331 3X1.5 RR	1.5	3	Black
01092794	MPRXCX 331 3X10	10	3	Black
	MPRXCX 331 3X120	120	3	Black
	MPRXCX 331 3X150	150	3	Black
01092769	MPRXCX 331 3X16	16	3	Black
10008271	MPRXCX 331 3X2.5 RR	2.5	3	Black
01105142	MPRXCX 331 3X25	25	3	Black
01092796	MPRXCX 331 3X35	35	3	Black
01101310	MPRXCX 331 3X4	4	3	Black
01101314	MPRXCX 331 3X50	50	3	Black
01101997	MPRXCX 331 3X6	6	3	Black
01101315	MPRXCX 331 3X70	70	3	Black
	MPRXCX 331 3X90	95	3	Black
01101495	MPRXCX 331 4X1 250V	1	4	Black
01101236	MPRXCX 331 4X1 250V	1	4	Black
01101568	MPRXCX 331 4X1 250V ORANGE	1	4	Orange
01003447	MPRXCX 331 4X1.5 0.6/1KV	1	4	Black
	MPRXCX 331 4X10	10	4	Black
	MPRXCX 331 4X16	16	4	Black
	MPRXCX 331 4X2.5	2.5	4	Black
	MPRXCX 331 4X25	25	4	Black
	MPRXCX 331 4X35	35	4	Black
	MPRXCX 331 4X4	4	4	Black
01101319	MPRXCX 331 4X6	6	4	Black
01101500	MPRXCX 331 5X1.5 RR	1.5	5	Black
	MPRXCX 331 5X2.5	2.5	5	Black
01092775	MPRXCX 331 7X1 250V	1	7	Black
01101496	MPRXCX 331 7X1 250V	1	7	Black
01105821	MPRXCX 331 7X1 250V ORANGE	1	7	Orange
10024466	MPRXCX 331 7X1.5 RR	1.5	7	Black
	MPRXCX 331 7X2.5	2.5	7	Black