

Ships Power Cables MPRXCX 0,6/1kV according to

IEC 60092-353, halogen-free



Technical data

- As per IEC 60092-353
- **Temperature range**
max. +85°C conductor temperature
- **Min. installation temperature**
-10°C
- **Nominal voltage**
U₀/U 0,6/1 kV
- **Minimum bending radius**
approx. 4x cable Ø
- **Tests**
Flame-test to VDE 0472 part 804, test method C, IEC 60332-3 cat. A and IEEE 45-18.13
Smoke density to IEC 61034
Halogen-free to 60754-1
Corrosiveness of combustion gases to IEC 60754-2

Cable structure

- Stranded, bare copper conductors to DIN VDE 0295 cl. 2, BS 6360 cl. 2 and IEC 60228 cl. 2
- Core insulation of cross-linked polyethylene
- Cores stranded in layers with optimal lay-length
- Cores wrapping with fail
- Copper screened braiding
- Outer sheath, Polyolefin basis-compound
- Jacket colour black

Properties

- **Colour code**
1 core: black
2 cores: black/blue
3 cores: black/blue/brown
4 cores: black/blue/brown/white
5- to 24 core cable: all cores black coloured, printed with numbers, starting in center with number 1
- **Approved by**
Germanischer Lloyd, Lloyds Register of Shipping, American Bureau of Shipping, Det Norske Veritas, Bureau Veritas, Russian Maritime Register of Shipping and Registro Italiano Navale
- Flame retardant according to SOLAS definition (according to IEC 60332-3 category A and IEEE 45-18.13)

Note

- AWG sizes are approximate equivalent values. The actual cross-section is in mm².
- 3-core cables with green-yellow marked core and/or as MPRXCX 331 (insulation integrity to IEC 60331) also available.

Application

For fixed installation on ships and offshore-units in all locations below the upper metallic deck. Therefore, these cables are especially suitable for the installation on passenger ships.

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

Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.	Part No.	No. cores x cross-sec. mm ²	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km	AWG-No.
59707	1 x 4	7,3	81,0	105,0	12	59734	3 x 25	21,7	924,0	950,0	4
59708	1 x 6	7,8	104,0	130,0	10	59735	3 x 35	23,1	1233,0	1470,0	2
59709	1 x 10	8,9	149,0	180,0	8	59736	3 x 50	26,5	1703,0	1870,0	1
59710	1 x 16	9,8	214,0	250,0	6	59737	3 x 70	29,1	2413,0	2650,0	2/0
59711	1 x 25	11,7	311,0	380,0	4	59738	3 x 95	32,9	3192,0	3500,0	3/0
59712	1 x 35	12,7	416,0	480,0	2	59739	3 x 120	36,7	3975,0	4300,0	4/0
59713	1 x 50	14,8	572,0	660,0	1	59740	4 x 1,5	10,6	147,0	200,0	16
59714	1 x 70	16,9	779,0	900,0	2/0	59741	4 x 2,5	11,9	190,0	240,0	14
59715	1 x 95	18,7	1034,0	1170,0	3/0	59742	4 x 4	13,0	284,0	350,0	12
59716	1 x 120	20,6	1316,0	1410,0	4/0	59743	4 x 6	14,6	371,0	450,0	10
59717	1 x 150	22,7	1615,0	1750,0	300 kcmil	59744	4 x 10	17,3	545,0	670,0	8
59718	1 x 185	24,9	1968,0	2160,0	350 kcmil	59745	4 x 16	19,8	796,0	950,0	6
59719	1 x 240	27,2	2506,0	2770,0	500 kcmil	59746	4 x 25	23,9	1170,0	1470,0	4
59720	1 x 300	30,4	3345,0	3440,0	600 kcmil	59747	4 x 35	25,7	1578,0	1930,0	2
59721	2 x 1,5	3,9	105,0	130,0	16	59748	4 x 50	29,6	2278,0	2500,0	1
59722	2 x 2,5	10,2	132,0	160,0	14	59749	4 x 70	33,7	3090,0	3550,0	2/0
59723	2 x 4	11,4	170,0	205,0	12	59750	4 x 95	38,3	4110,0	4600,0	3/0
59724	2 x 6	12,6	217,0	290,0	10	59751	5 x 1,5	11,7	171,0	225,0	16
59725	2 x 10	14,8	400,0	307,0	8	59752	5 x 2,5	12,8	220,0	330,0	14
59726	2 x 16	16,9	471,0	560,0	6	59753	7 x 1,5	12,5	209,0	310,0	16
59727	2 x 25	20,4	670,0	840,0	4	59754	10 x 1,5	16,0	318,0	400,0	16
59728	3 x 1,5	9,9	125,0	160,0	16	59755	12 x 1,5	16,6	353,0	440,0	16
59729	3 x 2,5	10,8	161,0	200,0	14	59756	14 x 1,5	17,4	394,0	500,0	16
59730	3 x 4	12,0	215,0	250,0	12	59757	16 x 1,5	18,2	432,0	550,0	16
59731	3 x 6	13,2	282,0	360,0	10	59758	19 x 1,5	19,3	486,0	620,0	16
59732	3 x 10	15,7	417,0	520,0	8	59759	24 x 1,5	22,4	601,0	770,0	16
59733	3 x 16	18,0	636,0	750,0	6						

Dimensions and specifications may be changed without prior notice. (RW01)