

Ships Power Cables MPRX 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

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
- Outer sheath, Polyolefin basis-compound
- Jacket colour black

Properties

- **Colour code**
1 core: black
2 cores: brown/blue
3 cores: brown/black/grey
4 cores: blue/brown/black/grey
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
- **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
- 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.

Application

For fixed installation on ships and offshore-units in all locations below the upper metallic deck. Particularly suitable for installation on passenger ships.

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
59654	1 x 4	27,5	38,0	70,0	12
59655	1 x 6	7,0	58,0	95,0	10
59656	1 x 10	8,0	96,0	140,0	8
59657	1 x 16	9,0	154,0	200,0	6
59658	1 x 25	10,0	240,0	320,0	4
59659	1 x 35	12,5	336,0	420,0	2
59660	1 x 50	14,5	480,0	560,0	1
59661	1 x 70	18,0	672,0	780,0	2/0
59662	1 x 95	8,0	912,0	1030,0	3/0
59663	1 x 120	9,0	1152,0	1290,0	4/0
59664	1 x 150	10,0	1440,0	1590,0	300 kcmil
59665	1 x 185	11,0	1776,0	1960,0	350 kcmil
59666	1 x 240	13,0	2304,0	2560,0	500 kcmil
59667	1 x 300	15,5	2880,0	3200,0	600 kcmil
59668	2 x 1,5	19,0	29,0	80,0	16
59669	2 x 2,5	20,5	48,0	105,0	14
59670	2 x 4	24,0	77,0	145,0	12
59671	2 x 6	26,5	115,0	190,0	10
59672	2 x 10	30,5	192,0	290,0	8
59673	2 x 16	33,5	307,0	430,0	6
59674	2 x 25	8,5	480,0	680,0	4
59675	3 x 1,5	10,0	43,0	100,0	16
59676	3 x 2,5	11,0	72,0	140,0	14
59677	3 x 4	12,0	115,0	190,0	12
59678	3 x 6	14,5	173,0	260,0	10
59679	3 x 10	17,0	288,0	410,0	8
59680	3 x 16	21,0	461,0	600,0	6

Part no.	No. cores x cross-sec. mm ²	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km	AWG-No.
59681	3 x 25	23,0	720,0	970,0	4
59682	3 x 35	27,0	1008,0	1290,0	2
59683	3 x 50	31,0	1440,0	1720,0	1
59684	3 x 70	35,5	2016,0	2450,0	2/0
59685	3 x 95	9,5	2736,0	3305,0	3/0
59686	3 x 120	10,5	3456,0	4140,0	4/0
59687	4 x 1,5	10,5	58,0	130,0	16
59688	4 x 2,5	13,5	96,0	180,0	14
59689	4 x 4	14,0	154,0	245,0	12
59690	4 x 6	14,5	230,0	345,0	10
59691	4 x 10	16,5	384,0	535,0	8
59692	4 x 16	16,5	614,0	795,0	6
59693	4 x 25	19,5	960,0	1300,0	4
59694	4 x 35	23,9	1344,0	1725,0	2
59695	4 x 50	27,8	1920,0	2310,0	1
59696	4 x 70	32,9	2688,0	3275,0	2/0
59697	4 x 95	36,1	3648,0	4445,0	3/0
59698	5 x 1,5	10,1	72,0	165,0	16
59699	5 x 2,5	11,2	120,0	225,0	14
59700	7 x 1,5	11,0	101,0	205,0	16
59701	10 x 1,5	14,1	144,0	290,0	16
59702	12 x 1,5	14,7	173,0	330,0	16
59703	14 x 1,5	15,5	202,0	375,0	16
59704	16 x 1,5	16,3	230,0	440,0	16
59705	19 x 1,5	17,4	274,0	500,0	16
59706	24 x 1,5	20,5	346,0	630,0	16

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