

Ships Power Cables MPRX 0,6/1kV according to IEC 60092-353, halogen-free



Technical data

- acc. to IEC 60092-353
- **Operating temperature**
at conductor max. +85°C
- **Min. installation temperature**
-10°C
- **Nominal voltage**
U₀/U 0,6/1 kV
- **Minimum bending radius**
4x cable Ø

Cable structure

- Bare copper-conductor, to DIN VDE 0295 cl.2, multi-wire, BS 6360 cl.2, IEC 60228 cl.2
- Core insulation of cross-linked polyethylene
- Cores stranded in layers with optimal lay-length
- Outer sheath of Polyolefin basis-compound
- Sheath colour black

Properties

- **Colour code**
1 core: BK
2 cores: BN, BU
3 cores: BN, BK, GY
4 cores: BU, BN, BK, GY
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 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 min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
59654	1 x 4	5,5 - 8,0	38,0	70,0	12
59655	1 x 6	6,0 - 8,5	58,0	95,0	10
59656	1 x 10	7,0 - 9,5	96,0	140,0	8
59657	1 x 16	8,0 - 10,5	154,0	200,0	6
59658	1 x 25	9,5 - 12,0	240,0	320,0	4
59659	1 x 35	10,5 - 13,0	336,0	420,0	2
59660	1 x 50	12,0 - 14,5	480,0	560,0	1
59661	1 x 70	14,0 - 16,5	672,0	780,0	2/0
59662	1 x 95	16,0 - 19,0	912,0	1030,0	3/0
59663	1 x 120	18,0 - 21,0	1152,0	1290,0	4/0
59664	1 x 150	20,0 - 23,5	1440,0	1590,0	300 kcmil
59665	1 x 185	22,0 - 25,5	1776,0	1960,0	350 kcmil
59666	1 x 240	25,0 - 28,5	2304,0	2560,0	500 kcmil
59667	1 x 300	27,5 - 31,5	2880,0	3200,0	600 kcmil
59668	2 x 1,5	7,0 - 9,5	29,0	80,0	16
59669	2 x 2,5	8,0 - 10,5	48,0	105,0	14
59670	2 x 4	9,0 - 11,5	77,0	145,0	12
59671	2 x 6	10,0 - 12,5	115,0	190,0	10
59672	2 x 10	12,5 - 15,0	192,0	290,0	8
59673	2 x 16	14,5 - 17,0	307,0	430,0	6
59674	2 x 25	18,0 - 20,5	480,0	680,0	4
59675	3 x 1,5	8,0 - 10,5	43,0	100,0	16
59676	3 x 2,5	9,0 - 11,5	72,0	140,0	14
59677	3 x 4	10,0 - 12,5	115,0	190,0	12
59678	3 x 6	11,0 - 13,5	173,0	260,0	10
59679	3 x 10	13,0 - 15,5	288,0	410,0	8
59680	3 x 16	15,5 - 18,0	461,0	600,0	6

Part no.	No. cores x cross-sec. mm ²	Outer Ø min. - max. mm	Cop. weight kg / km	Weight app. kg / km	AWG-No.
59681	3 x 25	19,0 - 21,5	720,0	970,0	4
59682	3 x 35	20,5 - 23,5	1008,0	1290,0	2
59683	3 x 50	24,0 - 27,0	1440,0	1720,0	1
59684	3 x 70	26,5 - 29,5	2016,0	2450,0	2/0
59685	3 x 95	30,5 - 34,0	2736,0	3305,0	3/0
59686	3 x 120	33,5 - 37,5	3456,0	4140,0	4/0
59687	4 x 1,5	8,5 - 11,0	58,0	130,0	16
59688	4 x 2,5	10,0 - 12,5	96,0	180,0	14
59689	4 x 4	11,0 - 13,5	154,0	245,0	12
59690	4 x 6	12,0 - 14,5	230,0	345,0	10
59691	4 x 10	14,5 - 17,0	384,0	535,0	8
59692	4 x 16	17,0 - 19,5	614,0	795,0	6
59693	4 x 25	21,0 - 24,0	960,0	1300,0	4
59694	4 x 35	23,0 - 26,0	1344,0	1725,0	2
59695	4 x 50	27,0 - 30,0	1920,0	2310,0	1
59696	4 x 70	31,0 - 34,5	2688,0	3275,0	2/0
59697	4 x 95	35,5 - 39,5	3648,0	4445,0	3/0
59698	5 x 1,5	9,5 - 12,0	72,0	165,0	16
59699	5 x 2,5	10,5 - 13,0	120,0	225,0	14
59700	7 x 1,5	10,5 - 13,0	101,0	205,0	16
59701	10 x 1,5	13,5 - 16,0	144,0	290,0	16
59702	12 x 1,5	14,0 - 17,0	173,0	330,0	16
59703	14 x 1,5	14,5 - 17,5	202,0	375,0	16
59704	16 x 1,5	15,5 - 18,5	230,0	440,0	16
59705	19 x 1,5	16,5 - 19,5	274,0	500,0	16
59706	24 x 1,5	19,5 - 22,5	346,0	630,0	16

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