

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: 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
- **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. Therefore, these cables are especially suitable for the installation on passenger ships.

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.
59654	1 x 4	5,9	38,0	70,0	12	59681	3 x 25	19,8	720,0	970,0	4
59655	1 x 6	6,4	58,0	95,0	10	59682	3 x 35	21,3	1008,0	1290,0	2
59656	1 x 10	7,3	96,0	140,0	8	59683	3 x 50	24,7	1440,0	1720,0	1
59657	1 x 16	8,2	154,0	200,0	6	59684	3 x 70	27,3	2016,0	2450,0	2/0
59658	1 x 25	10,1	240,0	320,0	4	59685	3 x 95	31,1	2736,0	3305,0	3/0
59659	1 x 35	11,1	336,0	420,0	2	59686	3 x 120	34,5	3456,0	4140,0	4/0
59660	1 x 50	12,8	480,0	560,0	1	59687	4 x 1,5	9,2	58,0	130,0	16
59661	1 x 70	14,9	672,0	780,0	2/0	59688	4 x 2,5	10,3	96,0	180,0	14
59662	1 x 95	16,7	912,0	1030,0	3/0	59689	4 x 4	11,6	154,0	245,0	12
59663	1 x 120	18,6	1152,0	1290,0	4/0	59690	4 x 6	12,6	230,0	345,0	10
59664	1 x 150	20,7	1440,0	1590,0	300 kcmil	59691	4 x 10	15,4	384,0	535,0	8
59665	1 x 185	22,9	1776,0	1960,0	350 kcmil	59692	4 x 16	17,9	614,0	795,0	6
59666	1 x 240	25,7	2304,0	2560,0	500 kcmil	59693	4 x 25	22,0	960,0	1300,0	4
59667	1 x 300	28,4	2880,0	3200,0	600 kcmil	59694	4 x 35	23,9	1344,0	1725,0	2
59668	2 x 1,5	7,8	29,0	80,0	16	59695	4 x 50	27,8	1920,0	2310,0	1
59669	2 x 2,5	8,9	48,0	105,0	14	59696	4 x 70	32,9	2688,0	3275,0	2/0
59670	2 x 4	9,9	77,0	145,0	12	59697	4 x 95	36,1	3648,0	4445,0	3/0
59671	2 x 6	10,9	115,0	190,0	10	59698	5 x 1,5	10,1	72,0	165,0	16
59672	2 x 10	13,0	192,0	290,0	8	59699	5 x 2,5	11,2	120,0	225,0	14
59673	2 x 16	15,1	307,0	430,0	6	59700	7 x 1,5	11,0	101,0	205,0	16
59674	2 x 25	17,6	480,0	680,0	4	59701	10 x 1,5	14,1	144,0	290,0	16
59675	3 x 1,5	8,3	45,0	100,0	16	59702	12 x 1,5	14,7	175,0	350,0	16
59676	3 x 2,5	9,4	72,0	140,0	14	59703	14 x 1,5	15,5	202,0	375,0	16
59677	3 x 4	10,4	115,0	190,0	12	59704	16 x 1,5	16,3	230,0	440,0	16
59678	3 x 6	11,8	173,0	260,0	10	59705	19 x 1,5	17,4	274,0	500,0	16
59679	3 x 10	13,8	288,0	410,0	8	59706	24 x 1,5	20,5	346,0	630,0	16
59680	3 x 16	16,1	461,0	600,0	6						

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