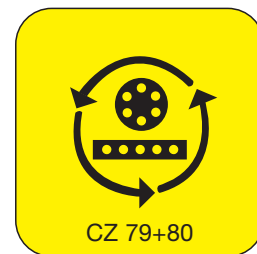


SHIP WIRING CABLE – MPRX/MPRXCX *

NON FLEXIBLE CABLES FOR SHIPS TO DIN/VDE & IEC SPEC., OPERATING VOLTAGE UP TO 15kV



FOR HIGH MECHANICAL STRESS AND FIRE RETARDANCY

CONSTRUCTION

Conductors of copper, Class 2 stranded – XLPE insulation – cores bedded for multicore cables ...

Pic 1. for MPRX – outer sheath of oil resistant and highly fire retardant polyolefin compound, black

Pic 2. for MPRXCX – separating foil – bare copper wire screened – separating foil – outer sheath of highly fire retardant polyolefin compound, black

Please Note: Ship cables from Powermite are available as Power, Control and Telecom cables in different voltages, sheath materials and screens, halogen free and improved fire characteristics, all to recognised classification societies.

CORE IDENTIFICATION

Up to 4 cores : coloured
5 cores and more : black with printed numbers

APPLICATION:

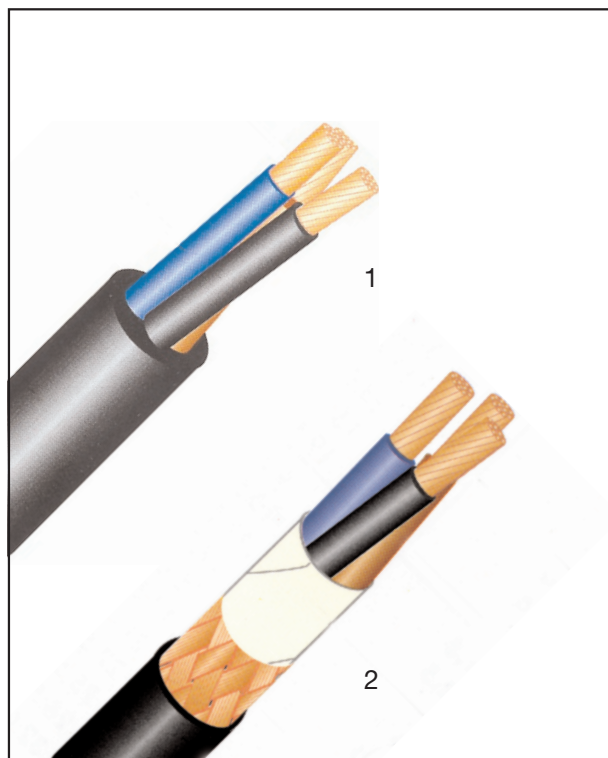
MPRX cables can be used on all fixed installations on all levels below the top metal deck on board ships, barges or pontoons.

MPRXCX cables can be used like MPRX but also on top of metal decks. Marine/Shipboard/Offshore cables are available as instrumentation, control and communication cables as well as Ethernet coaxial, fieldbus multipair LAN - Cat. 5/6 and LAN - S/FTP 100 ohm cables.

The Powercable ranges from 250V to 15kV.

The Fibreoptic cable is based on a stainless steel loose tube design with multimode or single mode fibres.

If Powermite shipboard cable is installed together with other makes of cable, please ensure insulation material compatibility.



MGH/MGCH cables are halogen free and low smoke designed. Outer sheath polyolefine.

TECHNICAL DATA

1. Max. operating Voltage AC	: 720 V/1200 V *	6. Current Capacity	: to IEC Public 60092-3 @ 45 °C a.T.
2. Max. operating Voltage DC	: 920 V/1500 V *	7. Derating	: to IEC Public 60092-3
3. Test operating Voltage AC	: up to 3000 V *	8. Specification	: to IEC 60332-3, CATA IEEE Std. 45 Dec. 18.13
4. Conductor resistance	: to VDE 0295, Class 2	9. Min. bending radius	: 6 x cable O.D.
5. Temperature range	: operating temp. min -30 °C operating temp. max +85 °C installation temp. min - 5 °C	10. Approvals	: to ABS, BV, GL, LR & DNV
		11. Marking	: white print to IEC 60332-3A

No. of cores and rated cross section	Permissible current rating in open air	max. outer dimension	weight approx.
mm ²	Amps	mm	kg/m
MPRX – unscreened - 1kV			
1 x 1,5	20	5,7	0,04
1 x 2,5	28	6,2	0,05
1 x 4,0	38	6,8	0,07
1 x 6,0	48	7,2	0,09
2 x 1,5	17	9,2	0,08
2 x 2,5	24	10,5	0,11
2 x 4,0	32	11,5	0,15
2 x 6,0	41	12,5	0,22
3 x 2,5	20	11,0	0,14
3 x 4,0	27	12,5	0,20
3 x 6,0	34	13,0	0,27
3 x 10,0	47	15,0	0,42
4 x 1,5	14	11,0	0,13
4 x 2,5	20	12,0	0,18
4 x 4,0	27	13,5	0,26
4 x 6,0	34	14,5	0,34

No. of cores and rated cross section	Permissible current rating in open air	max. outer dimension	weight approx.
mm ²	Amps	mm	kg/m
MPRX – unscreened - 1kV			
7 x 1,5	11	12,5	0,21
12 x 1,5	9	17,0	0,34
19 x 1,5	8	19,5	0,51
24 x 1,5	7	23,0	0,65
7 x 2,5	15	14,0	0,29
12 x 2,5	12	18,5	0,48
19 x 2,5	11	21,5	0,72
24 x 2,5	10	25,5	0,93

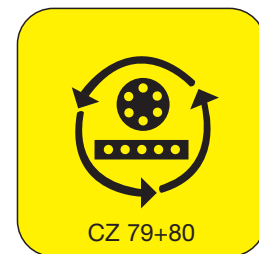
Please Note:
All sizes from 10mm² to 300mm² and multicores up to 37 cores are available on request.

Sizes, cores and designs not stated here are available on request, i.e. TX, TCX, MX, MGG, MGCG, MGCH-F, MPRXCX 331 and medium voltage types.

Above sizes may require minimum quantities
All quoted data is approximate and not binding

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NON FLEXIBLE CABLES FOR SHIPS TO DIN/VDE & IEC SPEC., OPERATING VOLTAGE UP TO 15kV



FOR HIGH MECHANICAL STRESS AND FIRE RETARDANCY

No. of cores and rated cross section	Permissible current rating in open air	max. outer dimension	weight approx.
mm ²	Amps	mm	kg/m
MPRXCX – screened - 1kV			
2 x 1,5	17	10,5	0,13
2 x 2,5	24	11,5	0,16
2 x 4,0	32	13,0	0,21
2 x 6,0	41	13,5	0,28
2 x 10,0	57	16,0	0,43
2 x 16,0	77	18,5	0,60
2 x 25,0	102	22,5	0,88
3 x 1,5	14	11,0	0,15
3 x 2,5	20	12,0	0,19
3 x 4,0	27	13,5	0,26
3 x 6,0	34	14,5	0,33
3 x 10,0	47	17,0	0,53
3 x 16,0	63	19,5	0,77
3 x 25,0	84	23,5	1,14
3 x 35,0	102	26,0	1,49
3 x 50,0	126	29,0	2,01
3 x 70,0	158	34,0	2,75
3 x 95,0	193	37,0	3,53
3 x 120,0	224	41,0	4,43
4 x 1,5	14	12,0	0,18
4 x 2,5	20	13,0	0,24
4 x 4,0	27	15,0	0,32
4 x 6,0	34	16,0	0,45
4 x 10,0	47	18,5	0,64
4 x 16,0	63	21,5	0,93
4 x 25,0	84	26,0	1,38
4 x 35,0	102	28,5	1,91
4 x 50,0	126	32,0	2,58
4 x 70,0	158	35,5	3,55
4 x 95,0	193	40,0	4,60
5 x 1,5	12	13,0	0,23
7 x 1,5	11	14,0	0,27
12 x 1,5	9	18,5	0,46
19 x 1,5	8	21,5	0,65
24 x 1,5	7	25,0	0,81
27 x 1,5	7	25,5	0,87
37 x 1,5	6	28,0	1,12
48 x 1,5	6	32,0	1,41
61 x 1,5	5	35,0	1,72

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Sizes, cores and designs not stated here are available on request, i.e. TX, TCX, MX, MGG, MGCG, MGCH-F, MPRXCX 331 and medium voltage types.