



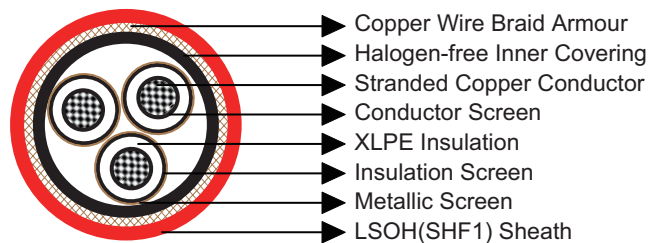
MTX 3.6/6kV, 6/10kV, 8.7/15kV XLPE Insulated, LSOH (SHF1) Sheathed, Armoured Flame Retardant MV Power Cables (Halogen Free Inner Covering)

Application

These armoured MV cables are used on board of ships in all locations for fixed installations complying with IEC standards 60092-352. These cables are flame retardant, low smoke & halogen free.

Standards

- IEC 60092-350/351/354/359
- IEC 60332-1
- IEC 60332-3-22
- IEC 60754-1/2
- IEC 61034



Construction

- Conductors: Class 2 stranded copper conductor.
- Conductor Screen: Semi-conducting layer (tape/compound).
- Insulation: XLPE.
- Insulation Screen: Semi-conducting layer (tape/compound).
- Metallic Screen: Copper tape
- Inner Covering: Halogen free compound.
- Armour: Copper wire braid.
- Outer Sheath: LSOH (SHF1). SHF2 can be offered upon request.

Core Identification

Coloured tape shall be inserted under metallic screen.
3core: Red, Yellow, Blue.



IEC Standard Caledonian Offshore & Marine Cables

MariTox Marine Flame Retardant Medium Voltage Cables

www.caledonian-cables.co.uk

Mechanical and Thermal Properties

Bending Radius for Fixed Installations: $12 \times OD$ (single core); $9 \times OD$ (three core)

Temperature Range: $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Dimensions and Weight

3.6/6kV

Part No.	Construction No. of cores \times Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MTX-3.6/6KV-RMZ1-1C10	1 \times 10	2.5	1.5	19.6	580
MTX-3.6/6KV-RMZ1-1C16	1 \times 16	2.5	1.5	20.5	670
MTX-3.6/6KV-RMZ1-1C25	1 \times 25	2.5	1.5	21.8	800
MTX-3.6/6KV-RMZ1-1C35	1 \times 35	2.5	1.6	23.2	940
MTX-3.6/6KV-RMZ1-1C50	1 \times 50	2.5	1.6	24.5	1100
MTX-3.6/6KV-RMZ1-1C70	1 \times 70	2.5	1.7	26.5	1380
MTX-3.6/6KV-RMZ1-1C95	1 \times 95	2.5	1.8	28.6	1700
MTX-3.6/6KV-RMZ1-1C120	1 \times 120	2.5	1.9	30.4	2000
MTX-3.6/6KV-RMZ1-1C150	1 \times 150	2.5	1.9	32.0	2320
MTX-3.6/6KV-RMZ1-1C185	1 \times 185	2.5	2.0	34.4	2770
MTX-3.6/6KV-RMZ1-1C240	1 \times 240	2.6	2.1	38.0	3530
MTX-3.6/6KV-RMZ1-1C300	1 \times 300	2.8	2.3	41.2	4270
MTX-3.6/6KV-RMZ1-1C400	1 \times 400	3.0	2.4	45.6	5410
MTX-3.6/6KV-RMZ1-1C500	1 \times 500	3.2	2.5	48.9	6390
MTX-3.6/6KV-RMZ1-1C630	1 \times 630	3.2	2.7	53.5	8030
MTX-3.6/6KV-RMZ1-3C10	3 \times 10	2.5	2.0	35.4	1620
MTX-3.6/6KV-RMZ1-3C16	3 \times 16	2.5	2.2	38.4	2030
MTX-3.6/6KV-RMZ1-3C25	3 \times 25	2.5	2.3	41.4	2470
MTX-3.6/6KV-RMZ1-3C35	3 \times 35	2.5	2.4	44.2	2930
MTX-3.6/6KV-RMZ1-3C50	3 \times 50	2.5	2.5	47.6	3510
MTX-3.6/6KV-RMZ1-3C70	3 \times 70	2.5	2.7	51.9	4390
MTX-3.6/6KV-RMZ1-3C95	3 \times 95	2.5	2.8	56.6	5470
MTX-3.6/6KV-RMZ1-3C120	3 \times 120	2.5	3.0	60.4	6450
MTX-3.6/6KV-RMZ1-3C150	3 \times 150	2.5	3.1	64.1	7490
MTX-3.6/6KV-RMZ1-3C185	3 \times 185	2.5	3.3	68.3	8850
MTX-3.6/6KV-RMZ1-3C240	3 \times 240	2.6	3.5	75.4	11080

6/10kV

Part No.	Construction No. of cores \times Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MTX-6/10KV-RMZ1-1C16	1 \times 16	3.4	1.6	22.5	750
MTX-6/10KV-RMZ1-1C25	1 \times 25	3.4	1.6	23.8	890
MTX-6/10KV-RMZ1-1C35	1 \times 35	3.4	1.7	25.2	1040
MTX-6/10KV-RMZ1-1C50	1 \times 50	3.4	1.7	26.5	1200



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Part No.	Construction No. of cores×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MTX-6/10KV-RMZ1-1C70	1×70	3.4	1.8	28.5	1480
MTX-6/10KV-RMZ1-1C95	1×95	3.4	1.9	30.6	1810
MTX-6/10KV-RMZ1-1C120	1×120	3.4	1.9	32.2	2100
MTX-6/10KV-RMZ1-1C150	1×150	3.4	2.0	34.4	2470
MTX-6/10KV-RMZ1-1C185	1×185	3.4	2.1	36.9	2980
MTX-6/10KV-RMZ1-1C240	1×240	3.4	2.2	39.8	3650
MTX-6/10KV-RMZ1-1C300	1×300	3.4	2.3	42.4	4340
MTX-6/10KV-RMZ1-1C400	1×400	3.4	2.5	46.6	5480
MTX-6/10KV-RMZ1-1C500	1×500	3.4	2.6	49.5	6430
MTX-6/10KV-RMZ1-1C630	1×630	3.4	2.7	53.9	8040
MTX-6/10KV-RMZ1-3C16	3×16	3.4	2.3	42.5	2330
MTX-6/10KV-RMZ1-3C25	3×25	3.4	2.4	45.9	2840
MTX-6/10KV-RMZ1-3C35	3×35	3.4	2.5	48.7	3310
MTX-6/10KV-RMZ1-3C50	3×50	3.4	2.7	51.9	3890
MTX-6/10KV-RMZ1-3C70	3×70	3.4	2.8	56.4	4820
MTX-6/10KV-RMZ1-3C95	3×95	3.4	3.0	60.8	5900
MTX-6/10KV-RMZ1-3C120	3×120	3.4	3.1	64.5	6880
MTX-6/10KV-RMZ1-3C150	3×150	3.4	3.3	68.3	7960
MTX-6/10KV-RMZ1-3C185	3×185	3.4	3.4	72.8	9390
MTX-6/10KV-RMZ1-3C240	3×240	3.4	3.7	79.2	11570

8.7/15kV

Part No.	Construction No. of cores×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm	Nominal Overall Diameter mm	Nominal Weight kg/km
MTX-8.7/15KV-RMZ1-1C25	1×25	4.5	1.7	26.2	1020
MTX-8.7/15KV-RMZ1-1C35	1×35	4.5	1.8	27.6	1170
MTX-8.7/15KV-RMZ1-1C50	1×50	4.5	1.8	28.9	1340
MTX-8.7/15KV-RMZ1-1C70	1×70	4.5	1.9	30.9	1630
MTX-8.7/15KV-RMZ1-1C95	1×95	4.5	2.0	33.4	2000
MTX-8.7/15KV-RMZ1-1C120	1×120	4.5	2.0	35.0	2300
MTX-8.7/15KV-RMZ1-1C150	1×150	4.5	2.1	37.3	2730
MTX-8.7/15KV-RMZ1-1C185	1×185	4.5	2.2	39.3	3180
MTX-8.7/15KV-RMZ1-1C240	1×240	4.5	2.3	42.2	3860
MTX-8.7/15KV-RMZ1-1C300	1×300	4.5	2.4	45.2	4600
MTX-8.7/15KV-RMZ1-1C400	1×400	4.5	2.5	48.8	5690
MTX-8.7/15KV-RMZ1-1C500	1×500	4.5	2.7	51.9	6680
MTX-8.7/15KV-RMZ1-1C630	1×630	4.5	2.8	56.7	8360
MTX-8.7/15KV-RMZ1-3C25	3×25	4.5	2.6	51.0	3280
MTX-8.7/15KV-RMZ1-3C35	3×35	4.5	2.7	53.8	3770
MTX-8.7/15KV-RMZ1-3C50	3×50	4.5	2.9	57.4	4430
MTX-8.7/15KV-RMZ1-3C70	3×70	4.5	3.0	61.5	5340
MTX-8.7/15KV-RMZ1-3C95	3×95	4.5	3.2	66.0	6460
MTX-8.7/15KV-RMZ1-3C120	3×120	4.5	3.3	69.6	7460
MTX-8.7/15KV-RMZ1-3C150	3×150	4.5	3.5	73.9	8640
MTX-8.7/15KV-RMZ1-3C185	3×185	4.5	3.6	78.0	10040
MTX-8.7/15KV-RMZ1-3C240	3×240	4.5	3.9	84.4	12270