



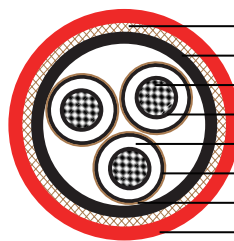
## MTX 3.6/6kV, 6/10kV, 8.7/15kV XLPE Insulated, LSOH (SHF1) Sheathed, Armoured Flame Retardant MV Power Cables (SHF1 Inner Sheath)

### 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



- ▶ Copper/Galvanized Steel Wire Braid Armour
- ▶ LSOH(SHF1) Inner Sheath
- ▶ Stranded Copper Conductor
- ▶ Conductor Screen
- ▶ XLPE Insulation
- ▶ Insulation Screen
- ▶ Metallic Screen
- ▶ LSOH(SHF1) Outer Sheath

### 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 Sheath: LSOH (SHF1).
- Armour: Copper wire braid or galvanized steel 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.



## Mechanical and Thermal Properties

Bending Radius for Fixed Installations: 12×OD (single core); 9×OD (three core)  
Temperature Range: -30°C ~ +80°C

## Dimensions and Weight

### 3.6/6kV

Part No.	Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm		Nominal Overall Diameter mm	Nominal Weight kg/km
			Inner	Outer		
MTX-3.6/6KV-RZ1MZ1-1C10	1×10	2.5	1.3	1.0	19.2	560
MTX-3.6/6KV-RZ1MZ1-1C16	1×16	2.5	1.3	1.0	20.1	650
MTX-3.6/6KV-RZ1MZ1-1C25	1×25	2.5	1.4	1.1	21.8	800
MTX-3.6/6KV-RZ1MZ1-1C35	1×35	2.5	1.4	1.1	23.0	940
MTX-3.6/6KV-RZ1MZ1-1C50	1×50	2.5	1.5	1.2	24.7	1120
MTX-3.6/6KV-RZ1MZ1-1C70	1×70	2.5	1.6	1.2	26.7	1390
MTX-3.6/6KV-RZ1MZ1-1C95	1×95	2.5	1.6	1.3	28.8	1720
MTX-3.6/6KV-RZ1MZ1-1C120	1×120	2.5	1.7	1.3	30.6	2020
MTX-3.6/6KV-RZ1MZ1-1C150	1×150	2.5	1.8	1.3	32.4	2350
MTX-3.6/6KV-RZ1MZ1-1C185	1×185	2.5	1.8	1.4	34.4	2780
MTX-3.6/6KV-RZ1MZ1-1C240	1×240	2.6	2.0	1.5	38.4	3580
MTX-3.6/6KV-RZ1MZ1-1C300	1×300	2.8	2.1	1.6	41.6	4310
MTX-3.6/6KV-RZ1MZ1-1C400	1×400	3.0	2.2	1.7	45.8	5440
MTX-3.6/6KV-RZ1MZ1-1C500	1×500	3.2	2.4	1.7	49.3	6450
MTX-3.6/6KV-RZ1MZ1-1C630	1×630	3.2	2.5	1.9	54.1	8110
MTX-3.6/6KV-RZ1MZ1-3C10	3×10	2.5	1.9	1.4	36.3	1710
MTX-3.6/6KV-RZ1MZ1-3C16	3×16	2.5	2.0	1.5	38.8	2030
MTX-3.6/6KV-RZ1MZ1-3C25	3×25	2.5	2.1	1.6	42.0	2500
MTX-3.6/6KV-RZ1MZ1-3C35	3×35	2.5	2.2	1.6	44.8	2950
MTX-3.6/6KV-RZ1MZ1-3C50	3×50	2.5	2.3	1.7	48.0	3510
MTX-3.6/6KV-RZ1MZ1-3C70	3×70	2.5	2.5	1.8	52.5	4420
MTX-3.6/6KV-RZ1MZ1-3C95	3×95	2.5	2.6	1.9	57.0	5470
MTX-3.6/6KV-RZ1MZ1-3C120	3×120	2.5	2.8	2.0	61.0	6480
MTX-3.6/6KV-RZ1MZ1-3C150	3×150	2.5	2.9	2.1	64.9	7540
MTX-3.6/6KV-RZ1MZ1-3C185	3×185	2.5	3.1	2.2	69.3	8940
MTX-3.6/6KV-RZ1MZ1-3C240	3×240	2.6	3.3	2.4	76.4	11180

### 6/10kV

Part No.	Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm		Nominal Overall Diameter mm	Nominal Weight kg/km
			Inner	Outer		
MTX-6/10KV-RZ1MZ1-1C16	1×16	3.4	1.4	1.1	22.3	750
MTX-6/10KV-RZ1MZ1-1C25	1×25	3.4	1.5	1.1	23.8	890
MTX-6/10KV-RZ1MZ1-1C35	1×35	3.4	1.5	1.2	25.2	1040
MTX-6/10KV-RZ1MZ1-1C50	1×50	3.4	1.6	1.2	26.7	1220
MTX-6/10KV-RZ1MZ1-1C70	1×70	3.4	1.6	1.2	28.5	1480



Part No.	Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm		Nominal Overall Diameter mm	Nominal Weight kg/km
			Inner	Outer		
MTX-6/10KV-RZ1MZ1-1C95	1×95	3.4	1.7	1.3	30.8	1830
MTX-6/10KV-RZ1MZ1-1C120	1×120	3.4	1.8	1.3	32.6	2140
MTX-6/10KV-RZ1MZ1-1C150	1×150	3.4	1.8	1.4	34.4	2470
MTX-6/10KV-RZ1MZ1-1C185	1×185	3.4	1.9	1.4	36.9	2990
MTX-6/10KV-RZ1MZ1-1C240	1×240	3.4	2.0	1.5	40.0	3680
MTX-6/10KV-RZ1MZ1-1C300	1×300	3.4	2.1	1.6	42.8	4390
MTX-6/10KV-RZ1MZ1-1C400	1×400	3.4	2.3	1.7	46.8	5510
MTX-6/10KV-RZ1MZ1-1C500	1×500	3.4	2.4	1.8	49.9	6480
MTX-6/10KV-RZ1MZ1-1C630	1×630	3.4	2.5	1.9	54.5	8130
MTX-6/10KV-RZ1MZ1-3C16	3×16	3.4	2.1	1.6	43.1	2350
MTX-6/10KV-RZ1MZ1-3C25	3×25	3.4	2.2	1.7	46.3	2840
MTX-6/10KV-RZ1MZ1-3C35	3×35	3.4	2.3	1.7	49.1	3310
MTX-6/10KV-RZ1MZ1-3C50	3×50	3.4	2.5	1.8	52.5	3910
MTX-6/10KV-RZ1MZ1-3C70	3×70	3.4	2.6	1.9	56.8	4820
MTX-6/10KV-RZ1MZ1-3C95	3×95	3.4	2.8	2.0	61.4	5930
MTX-6/10KV-RZ1MZ1-3C120	3×120	3.4	2.9	2.1	65.3	6940
MTX-6/10KV-RZ1MZ1-3C150	3×150	3.4	3.1	2.2	69.3	8050
MTX-6/10KV-RZ1MZ1-3C185	3×185	3.4	3.2	2.3	73.6	9460
MTX-6/10KV-RZ1MZ1-3C240	3×240	3.4	3.4	2.5	80.2	11680

## 8.7/15kV

Part No.	Construction No. of cores×Cross section(mm <sup>2</sup> )	Nominal Insulation Thickness mm	Nominal Sheath Thickness mm		Nominal Overall Diameter mm	Nominal Weight kg/km
			Inner	Outer		
MTX-8.7/15KV-RZ1MZ1-1C25	1×25	4.5	1.6	1.2	26.4	1030
MTX-8.7/15KV-RZ1MZ1-1C35	1×35	4.5	1.6	1.2	27.6	1180
MTX-8.7/15KV-RZ1MZ1-1C50	1×50	4.5	1.7	1.3	29.3	1370
MTX-8.7/15KV-RZ1MZ1-1C70	1×70	4.5	1.7	1.3	31.1	1650
MTX-8.7/15KV-RZ1MZ1-1C95	1×95	4.5	1.8	1.4	33.4	2010
MTX-8.7/15KV-RZ1MZ1-1C120	1×120	4.5	1.9	1.4	35.7	2410
MTX-8.7/15KV-RZ1MZ1-1C150	1×150	4.5	1.9	1.5	37.5	2760
MTX-8.7/15KV-RZ1MZ1-1C185	1×185	4.5	2.0	1.5	39.5	3200
MTX-8.7/15KV-RZ1MZ1-1C240	1×240	4.5	2.1	1.6	42.6	3910
MTX-8.7/15KV-RZ1MZ1-1C300	1×300	4.5	2.2	1.6	45.2	4610
MTX-8.7/15KV-RZ1MZ1-1C400	1×400	4.5	2.3	1.7	49.0	5730
MTX-8.7/15KV-RZ1MZ1-1C500	1×500	4.5	2.5	1.8	52.3	6740
MTX-8.7/15KV-RZ1MZ1-1C630	1×630	4.5	2.6	1.9	56.9	8400
MTX-8.7/15KV-RZ1MZ1-3C25	3×25	4.5	2.4	1.8	51.6	3300
MTX-8.7/15KV-RZ1MZ1-3C35	3×35	4.5	2.5	1.9	54.6	3820
MTX-8.7/15KV-RZ1MZ1-3C50	3×50	4.5	2.6	1.9	57.6	4400
MTX-8.7/15KV-RZ1MZ1-3C70	3×70	4.5	2.8	2.0	62.1	5370
MTX-8.7/15KV-RZ1MZ1-3C95	3×95	4.5	3.0	2.2	67.0	6550
MTX-8.7/15KV-RZ1MZ1-3C120	3×120	4.5	3.1	2.3	70.8	7580
MTX-8.7/15KV-RZ1MZ1-3C150	3×150	4.5	3.2	2.3	74.5	8680
MTX-8.7/15KV-RZ1MZ1-3C185	3×185	4.5	3.4	2.5	79.2	10180
MTX-8.7/15KV-RZ1MZ1-3C240	3×240	4.5	3.6	2.6	85.6	12420