



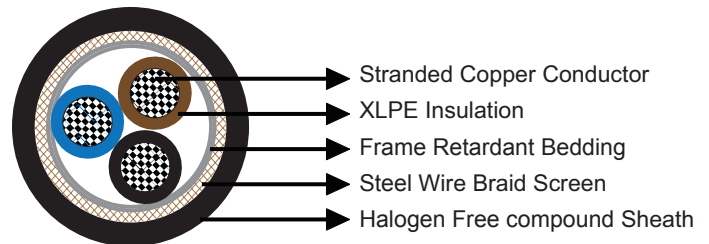
M2XSY 0.6/1 kV XLPE Insulated, PVC Sheathed Flame Retardant Power & Control Cables (Multicore)

Application

These cables are used as fixed installation cables in various electromechanical and electronic equipments of marine vehicle. Usable at all conditions in marine environment such as dry, wet or oily locations. Galvanized steel wire braided shield provides protection against mechanical stress and rodents. Due to its' flame retardant feature, it prevents the fire from spreading around. Thus it protects human life and equipment, during a fire.

Standards

- IEC 60092-350/351/353/359
- IEC 60332-1
- IEC 60332-3



Construction

- Conductors: Class 2 stranded copper conductor. (Class 5 is upon request)
- Insulation: Halogen-free, flame retardant XLPE.
- Bedding: Flame retardant compound.
- Overall Screen: Galvanized steel wire braided.
- Outer Sheath: Flame retardant and oil resistant PVC based compound (ST2).

Dark Grey.

Core Identification

Two cores: Blue, Brown.

Three cores: Brown, Black, Grey.

Four cores: Blue, Brown, Black, Grey.

Five cores: Blue, Brown, Black, Grey, Black.

Multi cores: White with black numbers

With yellow/green (optional)

Two cores + earth (3G): Yellow/green, Blue, Brown.

Three cores + earth (4G): Yellow/green, Brown, Black, Grey.

Four cores + earth (5G): Yellow/green, Blue, Brown, Black, Grey.



Mechanical and Thermal Properties

Bending Radius for Fixed Installations: $6 \times OD$
 Temperature Range: $-30^{\circ}\text{C} \sim +80^{\circ}\text{C}$

Dimensions and Weight

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
M2XSY -2C1.0	2 \times 1.0	0.7	1.1	10.4	165
M2XSY -2C1.5	2 \times 1.5	0.7	1.1	11.2	195
M2XSY -2C2.5	2 \times 2.5	0.7	1.1	12.0	234
M2XSY -2C4	2 \times 4	0.9	1.2	13.2	296
M2XSY -2C6	2 \times 6	0.9	1.2	14.8	397
M2XSY -2C10	2 \times 10	0.9	1.3	16.8	539
M2XSY -2C16	2 \times 16	0.9	1.4	18.8	719
M2XSY -2C25	2 \times 25	0.9	1.5	22.6	1055
M2XSY -2C35	2 \times 35	0.9	1.5	25.0	1338
M2XSY -2C50	2 \times 50	1.0	1.5	28.4	1756
M2XSY -3 \times 1.0	3 \times 1.0	0.7	1.1	10.9	183
M2XSY -3C1.5	3 \times 1.5	0.7	1.1	11.7	217
M2XSY -3C2.5	3 \times 2.5	0.7	1.1	12.6	266
M2XSY -3C4	3 \times 4	0.9	1.2	14.4	372
M2XSY -3C6	3 \times 6	0.9	1.3	15.5	459
M2XSY -3C10	3 \times 10	0.9	1.3	17.7	642
M2XSY -3C16	3 \times 16	0.9	1.4	19.9	877
M2XSY -3C25	3 \times 25	0.9	1.6	23.9	1290
M2XSY -3C35	3 \times 35	0.9	1.6	26.4	1647
M2XSY -3C50	3 \times 50	1.0	1.6	30.3	2200
M2XSY -3C70	3 \times 70	1.0	1.6	35.2	3049
M2XSY -3C95	3 \times 95	1.1	2.0	39.8	4061
M2XSY -3C120	3 \times 120	1.1	2.1	44.3	5135
M2XSY -3C150	3 \times 150	1.2	2.2	48.6	6173
M2XSY -4C1.0	4 \times 1.0	0.7	1.1	11.8	214
M2XSY -4C1.5	4 \times 1.5	0.7	1.1	12.5	251
M2XSY -4C2.5	4 \times 2.5	0.7	1.2	14.1	343
M2XSY -4C4	4 \times 4	0.9	1.3	15.5	441
M2XSY -4C6	4 \times 6	0.9	1.3	16.9	557





IEC Standard Caledonian Offshore & Marine Cables

MariTox Marine Flame Retardant Power & Control Cables

www.caledonian-cables.co.uk

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
M2XSY -4C10	4×10	0.9	1.4	19.3	784
M2XSY -4C16	4×16	0.9	1.5	21.7	1069
M2XSY -4C25	4×25	0.9	1.6	26.3	1605
M2XSY -4C35	4×35	0.9	1.7	29.1	2061
M2XSY -4C50	4×50	1.0	1.6	33.8	2300
M2XSY -4C70	4×70	1.1	2.1	39.4	3250
M2XSY -4C95	4×95	1.1	2.2	44.6	5194
M2XSY -5C1.0	5×1.5	0.7	1.2	12.6	238
M2XSY -5C1.5	5×1.5	0.7	1.2	14.0	318
M2XSY -5C2.5	5×2.5	0.7	1.2	15.1	387
M2XSY -5G4	5G4	0.9	1.2	16.9	510
M2XSY -6C1.0	6C1.0	0.7	1.2	13.3	266
M2XSY -7C1.0	7C1.0	0.7	1.2	13.5	271
M2XSY -8C1.0	8C1.0	0.7	1.2	13.6	283
M2XSY -10C1.0	10C1.0	0.7	1.3	14.9	308
M2XSY -12C1.0	12C1.0	0.7	1.4	15.6	348
M2XSY -16C1.0	16C1.0	0.7	1.4	17.0	375
M2XSY -19C1.0	19C1.0	0.7	1.5	17.8	416
M2XSY -24C1.0	24C1.0	0.7	1.6	20.7	508
M2XSY -27C1.0	27C1.0	0.7	1.2	21.2	547
M2XSY -37C1.0	37C1.0	0.7	1.2	23.6	689
M2XSY -6C1.5	6×1.5	0.7	1.2	14.7	351
M2XSY -7C1.5	7×1.5	0.7	1.2	14.8	362
M2XSY -8C1.5	8×1.5	0.7	1.2	14.9	382
M2XSY -10C1.5	10×1.5	0.7	1.3	16.1	390
M2XSY -12C1.5	12×1.5	0.7	1.4	16.9	433
M2XSY -16C1.5	16×1.5	0.7	1.4	18.4	470
M2XSY -19C1.5	19×1.5	0.7	1.5	19.5	534
M2XSY -24C1.5	24×1.5	0.7	1.6	22.9	662
M2XSY -5C2.5	5×2.5	0.7	1.2	14.9	383
M2XSY -7C2.5	7×2.5	0.7	1.2	15.8	453
M2XSY -12C2.5	12×2.5	0.7	1.4	18.5	565
M2XSY -19C2.5	19×2.5	0.7	1.5	21.5	725
M2XSY -24C2.5	24×2.5	0.7	1.6	25.2	909
M2XSY -27C2.5	27×2.5	0.7	1.7	26.1	1160
M2XSY -37C2.5	37×2.5	0.7	1.9	29.2	1530