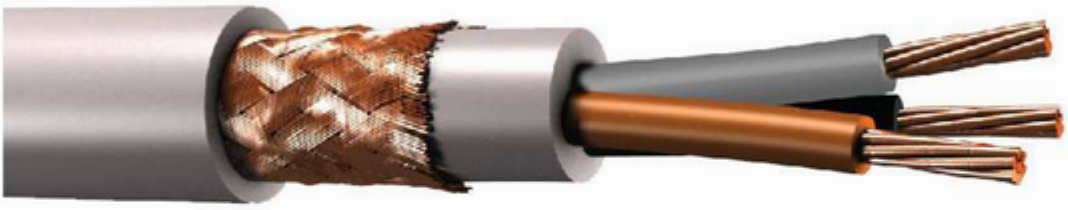
FM2XCY

Marine Power & Control Cable

90°C 0.6/1 KV

FIRSTCABLE



Application

• For power and control cable installation in ships and offshore platforms, This cable can be installed indoor and outdoor.

Construction

- Conductor : Annealed bare copper conductor (tinned on request)
  Stranded to IEC 60228 class 2 (class 5 on request)
- Insulation : Crosslinked Polyethylene (XLPE)
- Bedding : Flame retardant PVC compound
- Armour : Bare Copper Wire Braided
- Outer Sheath : Flame retardant PVC compound , grey colour.

- Working temp : 90°C
- Rated Voltage : 0.6/1 KV
- Test Voltage : 3.5 KV
- Bending radius : 6 x cable diameter

- Core identification : Standard HD-308 S2
- Single core : Black
- Two cores : Blue - Brown
- Three cores : Brown - Black - Grey
- Four cores : Blue - Brown - Black - Grey
- Five cores and above : Black with white numbering

- Standard apply : IEC 60092 / 350-351-353-359
- Flame retardancy : IEC 60332-1
- Flame properties : IEC 60332-3-22 (cat.A)

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Construction and Electrical Data

Number & Nominal Conductor Area	Diameter Conductor	Thickness of Insulation	Thickness of Inner Sheath	Thickness of Outer Sheath	Approx. Overall Diameter	Approx. Weight
(mm²)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)
1 x 16	5.0	0.7	1.1	0.8	11.5	305
1 x 25	6.3	0.9	1.1	0.9	13.8	464
1 x 35	7.5	0.9	1.2	0.9	15.2	593
1 x 50	8.8	1.0	1.2	1.0	17.0	747
1 x 70	10.5	1.1	1.3	1.0	19.1	991
1 x 95	12.5	1.1	1.4	1.1	21.7	1325
1 x 120	14.0	1.2	1.5	1.1	23.6	1597
1 x 150	15.6	1.4	1.6	1.2	26.1	1955
1 x 185	17.5	1.6	1.6	1.2	28.4	2370
1 x 240	20.1	1.7	1.8	1.3	31.9	3035
1 x 300	22.5	1.8	1.9	1.4	35.4	3823
2 x 1.5	1.6	0.7	1.0	0.8	10.9	199
2 x 2.5	2.0	0.7	1.1	0.9	12.1	250
2 x 4	2.6	0.7	1.1	0.9	13.8	354
2 x 6	3.1	0.7	1.2	0.9	15.0	427
2 x 10	4.0	0.7	1.2	1.0	17.0	575
2 x 16	5.0	0.7	1.3	1.0	19.4	780
2 x 25	6.3	0.9	1.5	1.1	23.2	1123
2 x 35	7.5	0.9	1.6	1.2	26.1	1463
3 x 1.5	1.6	0.7	1.1	0.8	11.6	229
3 x 2.5	2.0	0.7	1.1	0.9	12.7	285
3 x 4	2.6	0.7	1.2	0.9	14.7	416
3 x 6	3.1	0.7	1.2	0.9	15.7	495
3 x 10	4.0	0.7	1.3	1.0	18.1	691
3 x 16	5.0	0.7	1.4	1.1	20.8	961
3 x 25	6.3	0.9	1.5	1.2	24.7	1381
3 x 35	7.5	0.9	1.6	1.2	27.6	1800
3 x 50	8.8	1.0	1.7	1.3	31.5	2324
3 x 70	10.5	1.1	1.9	1.4	36.6	3266
3 x 95	12.5	1.1	2.1	1.6	41.9	4399
3 x 120	14.0	1.2	2.2	1.7	46.0	5338
3 x 150	15.6	1.4	2.4	1.8	51.1	6566
3 x 185	17.5	1.6	2.6	1.9	56.6	8098
3 x 240	20.1	1.7	2.8	2.1	63.4	10326
4 x 1.5	1.6	0.7	1.1	0.9	12.6	268
4 x 2.5	2.0	0.7	1.1	0.9	14.1	369
4 x 4	2.6	0.7	1.2	0.9	15.7	479

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(mm²)	(mm)	(mm)	(mm)	(mm)	(mm)	(kg/km)
4 x 6	3.1	0.7	1.2	1.0	17.1	591
4 x 10	4.0	0.7	1.3	1.0	19.5	828
4 x 16	5.0	0.7	1.4	1.1	22.6	1169
4 x 25	6.3	0.9	1.6	1.2	27.1	1709
4 x 35	7.5	0.9	1.7	1.3	30.5	2259
4 x 50	8.8	1.0	1.9	1.4	35.4	3032
4 x 70	10.5	1.1	2.0	1.5	40.4	4096
4 x 95	12.5	1.1	2.2	1.7	46.2	5527
4 x 120	14.0	1.2	2.4	1.8	51.1	6767
4 x 150	15.6	1.4	2.6	1.9	56.5	8289
5 x 1.5	1.6	0.7	1.1	0.9	14.1	354
5 x 2.5	2.0	0.7	1.2	0.9	15.4	438
7 x 1.5	1.6	0.7	1.2	0.9	15.2	414
7 x 2.5	2.0	0.7	1.2	1.0	16.7	524
10 x 1.5	1.6	0.7	1.3	1.0	19.3	599
10 x 2.5	2.0	0.7	1.4	1.1	21.3	762
12 x 1.5	1.6	0.7	1.3	1.0	19.3	617
12 x 2.5	2.0	0.7	1.4	1.1	21.3	792
14 x 1.5	1.6	0.7	1.4	1.1	20.5	709
14 x 2.5	2.0	0.7	1.4	1.1	22.2	888
16 x 1.5	1.6	0.7	1.4	1.1	21.3	772
16 x 2.5	2.0	0.7	1.5	1.1	23.4	991
19 x 1.5	1.6	0.7	1.4	1.1	22.3	852
19 x 2.5	2.0	0.7	1.5	1.2	24.7	1116
24 x 1.5	1.6	0.7	1.6	1.2	26.6	1084
24 x 2.5	2.0	0.7	1.7	1.3	29.5	1419
27 x 1.5	1.6	0.7	1.6	1.2	26.6	1110
27 x 2.5	2.0	0.7	1.7	1.3	29.5	1464
37 x 1.5	1.6	0.7	1.7	1.3	29.7	1414
37 x 2.5	2.0	0.7	1.8	1.3	32.7	1856