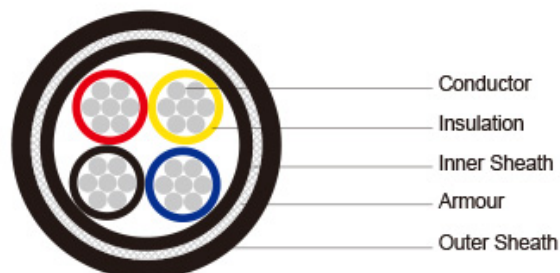


0.6/1kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Fire Resistant Power & Control Cables



Application:

These fire resistant elastomeric insulated cables are designed for fixed wiring in ships and on mobile offshore units, suitable for use in power and control applications where fire integrity is essential.

Standards:

BS 7917; IEC 60331-31 Fire resistant; IEC 60332-3A Flame retardant; IEC 60754-1; IEC 60754-2 Corrosivity; IEC 61034-2 Smoke density Cold bend and impact (-40°C) (on request) CSA C22.2 No. 38-95 (on request)

Construction:

Conductor: Tinned copper wire stranded circular cl. 2 BS 6360/IEC 60228.
Insulation: Mica tape + HF-EPR GP4 according to BS 7655 1.2.
Inner Sheath: Halogen free thermosetting compound SB1 according to BS 7917.
Armour: Galvanized steel wire braid or tinned bronze wire braid (single core). Copper wire braid can be offered upon request.
Outer Sheath: Halogen free thermosetting compound SW4 according to BS 7655 2.6 or reduced halogen thermosetting compound SW2 according to BS 7655 2.6.

Mechanical and Thermal Properties:

Minimum Internal Bending Radius: 6×OD
Temperature Range: -40°C ~ +90°C

Dimensions and Weight

Single core cables

Constructi on No. of cores×Cro ss section(m m ²)	Nominal Insulatio n Thickne ss mm	Nominal Inner Sheath Thickne ss mm	Minimu m Diamet er Over Inner Sheath mm	Maximu m Diamete r Over Inner Sheath mm	Nomina l Armour Wire Diamet er mm	Nominal Outer Sheath Thickne ss mm	Minimu m Overall Diamet er mm	Maximu m Overall Diamete r mm	Appro x. Weigh t kg/km
1×4	1.0	1.0	6.7	8.0	0.3	1.1	10.2	12.1	245
1×6	1.0	1.0	7.2	8.5	0.3	1.1	10.8	12.6	275
1×10	1.0	1.0	8.1	9.5	0.3	1.2	11.9	13.8	355
1×16	1.0	1.1	9.3	10.7	0.3	1.2	13.1	15.0	440
1×25	1.2	1.2	11.5	13.2	0.3	1.3	15.4	17.7	600
1×35	1.2	1.2	12.3	14.1	0.3	1.4	16.5	18.8	720

1×50	1.4	1.3	14.1	15.9	0.3	1.4	18.2	20.6	910
1×70	1.4	1.3	15.8	17.8	0.3	1.5	20.2	23.0	1170
1×95	1.6	1.4	18.1	20.2	0.3	1.6	22.6	25.6	1510
1×120	1.6	1.5	20.0	22.4	0.3	1.7	24.7	27.7	1830
1×150	1.8	1.6	22.0	24.6	0.3	1.8	26.9	30.1	2160
1×185	2.0	1.7	24.4	27.0	0.45	1.9	30.2	33.9	2790
1×240	2.2	1.8	27.5	30.3	0.45	2.0	33.5	37.3	3530
1×300	2.4	1.9	30.4	33.6	0.45	2.1	36.6	40.5	4280

Multicore cables

Constructi on No. of cores×Cro ss section(m m ²)	Nominal Insulatio n Thickne ss mm	Nominal Inner Sheath Thickne ss mm	Minimu m Diamet er Over Inner Sheath mm	Maximu m Diamete r Over Inner Sheath mm	Nomina l Armour Wire Diamet er mm	Nominal Outer Sheath Thickne ss mm	Minimu m Overall Diamet er mm	Maximu m Overall Diamete r mm	Appro x. Weigh t kg/km
2×1.5	0.8	1.1	9.0	10.4	0.3	1.2	12.7	14.7	310
2×2.5	0.8	1.1	9.8	11.4	0.3	1.2	13.6	15.5	355
2×4	1.0	1.2	11.8	13.5	0.3	1.3	15.7	18.0	475
2×6	1.0	1.2	12.9	14.6	0.3	1.4	17.0	19.3	580
2×10	1.0	1.3	14.9	16.8	0.3	1.4	19.0	21.4	750
2×16	1.0	1.4	17.1	19.1	0.3	1.5	21.4	24.3	980
2×25	1.2	1.5	21.2	23.7	0.3	1.7	25.9	29.0	1380
2×35	1.2	1.6	23.1	25.7	0.3	1.8	28.0	31.2	1710
2×50	1.4	1.7	26.5	29.2	0.45	2.0	32.5	36.3	2370
2×70	1.4	1.9	30.3	33.5	0.45	2.1	36.5	40.5	3100
2×95	1.6	2.1	34.9	38.2	0.45	2.3	41.4	46.0	4020
2×120	1.6	2.2	38.4	42.2	0.45	2.5	45.4	50.1	4870
3×1.5	0.8	1.1	9.6	11.0	0.3	1.2	13.3	15.3	345
3×2.5	0.8	1.1	10.4	12.1	0.3	1.3	14.4	16.4	405
3×4	1.0	1.2	12.6	14.3	0.3	1.3	16.5	18.8	540
3×6	1.0	1.2	13.8	15.5	0.3	1.4	17.9	20.2	660
3×10	1.0	1.3	15.9	17.8	0.3	1.5	20.2	23.0	910
3×16	1.0	1.4	18.2	20.3	0.3	1.6	22.8	25.7	1200
3×25	1.2	1.6	22.9	25.4	0.3	1.8	27.8	30.9	1760
3×35	1.2	1.7	24.9	27.6	0.45	1.9	30.7	34.4	2260
3×50	1.4	1.8	28.5	31.3	0.45	2.0	34.5	38.4	2880
3×70	1.4	2.0	32.7	35.9	0.45	2.2	39.0	43.5	3800

3×95	1.6	2.2	37.5	41.0	0.45	2.4	44.3	48.9	4890
3×120	1.6	2.3	41.3	45.3	0.45	2.6	48.5	53.7	6070
3×150	1.8	2.5	45.8	49.9	0.45	2.8	53.3	58.7	7270
3×185	2.0	2.7	50.9	55.5	0.45	3.0	58.8	64.9	8970
3×240	2.2	2.9	57.5	62.4	0.45	3.2	65.8	72.2	1350
4×1.5	0.8	1.1	10.5	12.1	0.3	1.3	14.4	16.4	395
4×2.5	0.8	1.1	11.4	13.1	0.3	1.3	15.4	17.6	465
4×4	1.0	1.2	13.8	15.6	0.3	1.4	17.9	20.3	640
4×6	1.0	1.3	15.3	17.3	0.3	1.5	19.6	22.5	790
4×10	1.0	1.4	17.7	19.7	0.3	1.6	22.2	25.1	1070
4×16	1.0	1.5	20.3	22.8	0.3	1.7	25.0	28.1	1460
4×25	1.2	1.7	25.5	28.1	0.45	1.9	31.3	35.0	2140
4×35	1.2	1.8	27.7	30.5	0.45	2.0	33.7	37.5	2670
4×50	1.4	1.9	31.8	35.0	0.45	2.2	38.1	42.1	3630
4×70	1.4	2.1	36.3	39.7	0.45	2.4	43.1	47.7	4740
4×95	1.6	2.3	41.7	45.7	0.45	2.6	48.9	54.1	6290
4×120	1.6	2.5	46.2	50.3	0.45	2.8	53.7	59.2	7670
5×1.5	0.8	1.1	11.4	13.1	0.3	1.3	15.4	17.6	455
7×1.5	0.8	1.2	12.6	14.4	0.3	1.3	16.6	18.9	530
12×1.5	0.8	1.3	16.8	18.8	0.3	1.5	21.2	24.0	790
19×1.5	0.8	1.4	19.9	22.4	0.3	1.6	24.4	27.5	1080
27×1.5	0.8	1.6	24.3	26.9	0.3	1.8	29.2	32.8	1460
37×1.5	0.8	1.7	27.4	30.4	0.45	1.9	33.2	37.0	1990
5×2.5	0.8	1.2	12.7	14.4	0.3	1.3	16.6	18.9	560
7×2.5	0.8	1.2	13.9	15.6	0.3	1.4	18.0	20.3	650
12×2.5	0.8	1.4	18.7	20.8	0.3	1.6	23.2	26.2	970
19×2.5	0.8	1.5	22.1	24.7	0.3	1.7	26.8	30.0	1360