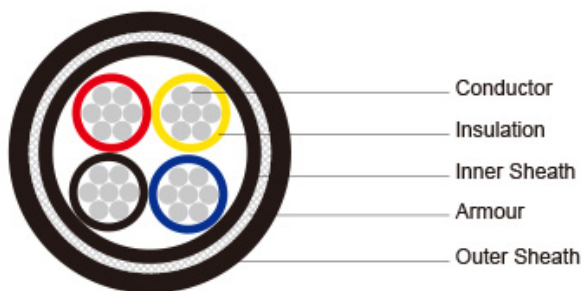


**0.6/1kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Flame Retardant Power
& Control Cables**



Application:

These elastomeric insulated cables are designed for fixed wiring in ships and on mobile offshore units, suitable for use in power and control applications.

Standards:

BS 6883; 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: HF-EPR GP4 according to BS 7655 1.2.
Inner Sheath: Halogen free thermosetting compound SW4 according to BS 7655 2.6 or reduced halogen thermosetting compound SW2 according to BS 7655 2.6.
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 (OD>25mm); 4×OD (OD ≤25mm)

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	6.3	7.6	0.3	1.1	9.8	11.7	220
1×6	1.0	1.0	6.8	8.1	0.3	1.1	10.4	12.2	250
1×10	1.0	1.0	7.7	9.1	0.3	1.2	11.5	13.4	310
1×16	1.0	1.1	8.9	10.3	0.3	1.2	12.7	14.6	400
1×25	1.2	1.2	11.1	12.8	0.3	1.3	15.0	17.3	570
1×35	1.2	1.2	12.0	13.7	0.3	1.4	16.1	18.4	660
1×50	1.4	1.3	13.7	15.5	0.3	1.4	17.9	20.2	870

1×70	1.4	1.3	15.5	17.4	0.3	1.5	19.8	22.6	1110
1×95	1.6	1.4	17.7	19.8	0.3	1.6	22.2	25.2	1460
1×120	1.6	1.5	19.6	22.0	0.3	1.7	24.3	27.3	1770
1×150	1.8	1.6	21.6	24.2	0.3	1.8	26.5	29.7	2110
1×185	2.0	1.7	24.0	26.6	0.45	1.9	29.8	33.5	2720
1×240	2.2	1.8	27.1	29.9	0.45	2.0	33.1	36.9	3410
1×300	2.4	1.9	30.0	33.2	0.45	2.1	36.2	40.1	4180

Multicore cables

Constructi on No. of cores×Cros s section(mm 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	0.8	1.0	7.5	8.8	0.3	1.2	11.3	13.1	230
2×1.5	0.8	1.1	8.2	9.6	0.3	1.2	12.0	13.9	270
2×2.5	0.8	1.1	9.0	10.4	0.3	1.2	12.8	14.7	320
2×4	1.0	1.2	11.0	12.7	0.3	1.3	15.0	17.2	430
2×6	1.0	1.2	12.1	13.8	0.3	1.4	16.3	18.5	530
2×10	1.0	1.3	14.1	15.9	0.3	1.4	18.2	20.6	660
2×16	1.0	1.4	16.3	18.3	0.3	1.5	20.6	23.5	840
2×25	1.2	1.5	20.4	22.9	0.3	1.7	25.2	28.2	1310
2×35	1.2	1.6	22.4	24.9	0.3	1.8	27.3	30.4	1600
2×50	1.4	1.7	25.7	28.4	0.45	2.0	31.7	35.5	2240
2×70	1.4	1.9	29.6	32.7	0.45	2.1	35.8	39.7	2900
2×95	1.6	2.1	34.1	37.4	0.45	2.3	40.7	45.2	3860
2×120	1.6	2.2	37.7	41.1	0.45	2.5	44.6	49.3	4650
3×1	0.8	1.1	8.2	9.5	0.3	1.2	11.9	13.8	250
3×1.5	0.8	1.1	8.7	10.1	0.3	1.2	12.5	14.4	305
3×2.5	0.8	1.1	9.6	11.0	0.3	1.3	13.5	15.5	360
3×4	1.0	1.2	11.7	13.4	0.3	1.3	15.7	17.9	495
3×6	1.0	1.2	12.9	14.7	0.3	1.4	17.0	19.4	600
3×10	1.0	1.3	15.0	17.0	0.3	1.5	19.4	22.2	810
3×16	1.0	1.4	17.4	19.4	0.3	1.6	21.9	24.8	1070
3×25	1.2	1.6	22.0	24.6	0.3	1.8	26.9	30.1	1620
3×35	1.2	1.7	24.1	26.7	0.45	1.9	29.9	33.6	2130
3×50	1.4	1.8	27.7	30.5	0.45	2.0	33.7	37.5	2750

3×70	1.4	2.0	31.8	35.1	0.45	2.2	38.2	42.2	3660
3×95	1.6	2.2	36.7	40.1	0.45	2.4	43.5	48.1	4740
3×120	1.6	2.3	40.5	44.4	0.45	2.6	47.7	52.5	5950
3×150	1.8	2.5	44.9	49.0	0.45	2.8	52.5	57.8	7120
3×185	2.0	2.7	50.1	54.6	0.45	3.0	58.0	64.0	8820
3×240	2.2	2.9	56.7	61.5	0.45	3.2	65.0	71.3	11280
3×300	2.4	3.2	63.1	68.6	0.45	3.5	72.0	79.0	13640
4×1	0.8	1.1	8.9	10.3	0.3	1.2	12.6	14.6	280
4×1.5	0.8	1.1	9.5	10.9	0.3	1.3	13.5	15.4	350
4×2.5	0.8	1.1	10.5	12.1	0.3	1.3	14.4	16.4	410
4×4	1.0	1.2	12.9	14.6	0.3	1.4	17.0	19.3	570
4×6	1.0	1.3	14.4	16.2	0.3	1.5	18.7	21.1	730
4×10	1.0	1.4	16.7	18.7	0.3	1.6	21.3	24.1	990
4×16	1.0	1.5	19.4	21.8	0.3	1.7	24.1	27.1	1330
4×25	1.2	1.7	24.5	27.1	0.45	1.9	30.3	34.0	2150
4×35	1.2	1.8	26.8	29.5	0.45	2.0	32.8	36.6	2600
4×50	1.4	1.9	30.8	34.0	0.45	2.2	37.2	41.2	3410
4×70	1.4	2.1	35.4	38.8	0.45	2.4	42.2	46.7	4530
4×95	1.6	2.3	40.8	44.7	0.45	2.6	47.9	52.7	5940
4×120	1.6	2.5	45.2	49.3	0.45	2.8	52.8	58.2	7390
4×150	1.8	2.7	50.1	54.7	0.45	3.0	58.1	64.1	8700
4×185	2.0	2.9	55.8	60.7	0.45	3.2	64.1	70.4	10780
4×240	2.2	3.2	63.4	68.9	0.45	3.5	72.3	79.3	13840
5×1.5	0.8	1.1	10.4	12.0	0.3	1.3	14.3	16.3	395
7×1.5	0.8	1.2	11.5	13.2	0.3	1.3	15.4	17.7	460
12×1.5	0.8	1.3	15.2	17.2	0.3	1.5	19.6	22.4	680
19×1.5	0.8	1.4	18.0	20.1	0.3	1.6	22.5	25.5	930
27×1.5	0.8	1.6	21.9	24.5	0.3	1.8	26.8	30.0	1270
37×1.5	0.8	1.7	24.7	27.3	0.3	1.9	30.5	34.2	1740
5×2.5	0.8	1.2	11.7	13.3	0.3	1.3	15.6	17.8	480
7×2.5	0.8	1.2	12.7	14.4	0.3	1.4	16.8	19.1	570
12×2.5	0.8	1.4	17.1	19.1	0.3	1.6	21.6	24.5	880
19×2.5	0.8	1.5	20.2	22.7	0.3	1.7	24.9	28.0	1220