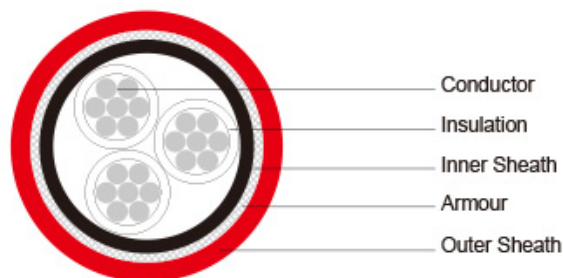


**1.9/3.3kV, 3.3/3.3kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Fire
Resistant Power & Control Cables**



Application:

These fire resistant medium voltage 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 0754-1; 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 GP5 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).
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

1.9/3.3kV

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
1×25	2.2	1.2	13.4	15.2	0.3	1.4	17.5	19.9	687
1×35	2.2	1.3	14.4	16.4	0.3	1.4	18.6	21.0	806
1×50	2.2	1.3	15.6	17.6	0.3	1.5	20.0	22.8	983
1×70	2.2	1.4	17.6	19.6	0.3	1.6	22.1	25.0	1283
1×95	2.4	1.5	19.8	22.3	0.3	1.7	24.5	27.6	1637
1×120	2.4	1.6	21.7	24.2	0.3	1.7	26.4	29.5	1997
1×150	2.4	1.6	23.2	25.8	0.45	1.8	28.8	32.0	2439

1×185	2.4	1.7	25.2	27.8	0.45	1.9	31.0	34.7	2933
1×240	2.4	1.8	27.9	30.7	0.45	2.0	33.9	37.7	3671
1×300	2.4	1.9	30.4	33.6	0.45	2.1	36.6	40.5	4446
1×400	2.6	2.0	34.1	37.5	0.45	2.3	40.7	45.2	5435
1×500	2.8	2.2	38.0	41.5	0.45	2.5	44.9	49.6	6746
1×630	2.8	2.3	41.6	45.6	0.45	2.6	48.8	54.0	8583
3×25	2.2	1.8	27.4	30.1	0.45	2.0	33.4	37.2	2072
3×35	2.2	1.8	29.3	32.4	0.45	2.1	35.5	39.3	2422
3×50	2.2	1.9	32.1	35.3	0.45	2.2	38.4	42.8	2977
3×70	2.2	2.1	36.2	39.6	0.45	2.4	42.9	47.5	3920
3×95	2.4	2.3	41.0	44.9	0.45	2.6	48.2	53.4	5041
3×120	2.4	2.4	44.9	48.9	0.45	2.7	52.2	57.6	6165
3×150	2.4	2.6	48.4	53.0	0.45	2.9	56.2	61.7	7333
3×185	2.4	2.7	52.5	57.2	0.45	3.0	60.5	66.6	8800
3×240	2.4	3.0	58.5	63.8	0.45	3.3	67.0	73.4	11172
3×300	2.4	3.2	64.0	69.4	0.45	3.5	72.8	79.9	13587

3.3/3.3kV

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
1×25	3.0	1.3	15.1	17.1	0.3	1.5	19.4	22.3	789
1×35	3.0	1.3	16.0	18.0	0.3	1.5	20.3	23.2	900
1×50	3.0	1.4	17.4	19.4	0.3	1.6	21.9	24.8	1097
1×70	3.0	1.5	19.3	21.7	0.3	1.6	23.8	26.8	1392
1×95	3.0	1.5	21.0	23.5	0.3	1.7	25.7	28.8	1715
1×120	3.0	1.6	22.9	25.4	0.3	1.8	27.8	30.9	2097
1×150	3.0	1.7	24.5	27.2	0.45	1.9	30.3	34.0	2568
1×185	3.0	1.7	26.3	29.0	0.45	2.0	32.3	36.1	3050
1×240	3.0	1.8	29.0	32.2	0.45	2.1	35.2	39.1	3798
1×300	3.0	1.9	31.6	34.8	0.45	2.2	37.9	41.9	4582
1×400	3.0	2.1	35.1	38.5	0.45	2.3	41.7	46.2	5533
1×500	3.2	2.2	38.7	42.6	0.45	2.5	45.7	50.4	6828
1×630	3.2	2.4	43.6	46.6	0.45	2.6	49.7	55.0	8712
3×25	3.0	1.9	30.9	34.1	0.45	2.1	37.1	41.1	2358

3×35	3.0	2.0	33.0	36.2	0.45	2.2	39.4	43.8	2747
3×50	3.0	2.1	35.8	39.1	0.45	2.3	42.3	46.9	3325
3×70	3.0	2.2	39.7	43.5	0.45	2.5	46.6	51.4	4274
3×95	3.0	2.4	43.7	47.7	0.45	2.7	51.1	56.4	5347
3×120	3.0	2.5	47.5	51.7	0.45	2.8	55.1	60.6	6493
3×150	3.0	2.7	51.1	55.7	0.45	3.0	59.0	65.1	7684
3×185	3.0	2.8	55.2	60.0	0.45	3.2	63.5	69.8	9213
3×240	3.0	3.1	61.2	66.6	0.45	3.4	69.9	76.8	11583
3×300	3.0	3.3	66.6	72.2	0.45	3.6	75.7	82.9	14031