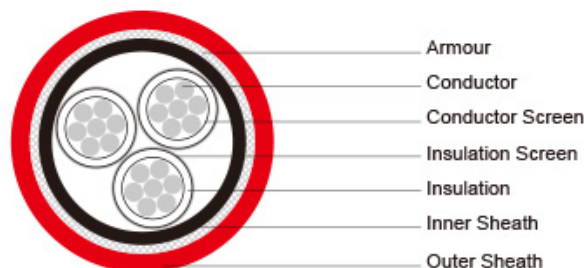


**3.8/6.6kV, 6.35/11kV, 8.7/15kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured
Flame Retardant Power & Control Cables (Radial Field)**



Application:

These 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.

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.
Conductor Screen: Semiconducting layer or tape.
Insulation: HF-EPR GP5 according to BS 7655 1.2.
Insulation Screen: Semiconducting layer or tape +Tinned copper tape.
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).
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: 15×OD (single core); 20×OD (three core)
Temperature Range: -40°C ~ +90°C

Dimensions and Weight

3.8/6.6kV

Constructi on No. of cores×Cro ss section(m m²)	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
1×16	3.0	1.3	16.0	18.0	0.3	1.4	20.2	23.0	790
1×25	3.0	1.3	17.6	19.7	0.3	1.5	21.9	24.9	950
1×35	3.0	1.4	18.7	20.8	0.3	1.5	23.0	26.0	1060
1×50	3.0	1.4	19.9	22.3	0.3	1.6	24.4	27.4	1320
1×70	3.0	1.5	21.8	24.3	0.3	1.7	26.5	29.6	1610

1×95	3.0	1.6	23.7	26.3	0.3	1.8	28.6	31.8	1930
1×120	3.0	1.6	25.4	28.0	0.3	1.8	30.2	33.9	2260
1×150	3.0	1.7	27.0	29.8	0.45	1.9	32.8	36.6	2760
1×185	3.0	1.8	29.0	32.1	0.45	2.0	35.0	38.9	3210
1×240	3.0	1.9	31.7	35.0	0.45	2.1	37.9	41.9	3960
1×300	3.0	2.0	34.3	37.6	0.45	2.2	40.6	45.1	4660
1×400	3.0	2.1	37.6	41.4	0.45	2.4	44.4	49.0	5470
1×500	3.2	2.3	41.4	45.4	0.45	2.5	48.4	53.6	6610
1×630	3.2	2.4	45.1	49.2	0.45	2.7	52.4	57.8	8230
3×16	3.0	1.8	32.7	36.0	0.45	2.1	38.9	43.3	2610
3×25	3.0	2.0	36.5	39.9	0.45	2.2	42.9	47.5	3220
3×35	3.0	2.0	38.4	41.9	0.45	2.3	44.9	49.6	3700
3×50	3.0	2.2	41.3	45.3	0.45	2.4	48.1	53.3	4360
3×70	3.0	2.3	45.3	49.4	0.45	2.6	52.4	57.4	5410
3×95	3.0	2.5	49.3	53.9	0.45	2.8	56.8	62.4	6710
3×120	3.0	2.6	53.1	57.8	0.45	2.9	60.8	67.0	7770
3×150	3.0	2.7	56.6	61.4	0.45	3.1	64.6	70.9	9160
3×185	3.0	2.9	60.8	66.1	0.45	3.2	69.1	76.0	10430
3×240	3.0	3.1	66.6	72.2	0.45	3.5	75.5	82.6	12840

6.35/11kV

Constructi on No. of cores×Cro ss section(m m²)	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
1×16	3.4	1.3	16.8	18.8	0.3	1.5	21.1	24	810
1×25	3.4	1.4	18.6	20.7	0.3	1.5	22.9	25.9	980
1×35	3.4	1.4	19.4	21.9	0.3	1.6	24.0	27.0	1110
1×50	3.4	1.5	20.8	23.3	0.3	1.6	25.3	28.4	1360
1×70	3.4	1.5	22.6	25.1	0.3	1.7	27.3	30.4	1660
1×95	3.4	1.6	24.4	27.1	0.3	1.8	29.3	33.0	1970
1×120	3.4	1.7	26.3	29.0	0.45	1.9	32.1	35.9	2360
1×150	3.4	1.7	27.8	30.6	0.45	2.0	33.8	37.6	2810
1×185	3.4	1.8	29.8	32.9	0.45	2.0	35.8	39.7	3260
1×240	3.4	1.9	32.5	35.8	0.45	2.2	38.9	43.3	4020
1×300	3.4	2.0	35.0	38.4	0.45	2.3	41.6	46.1	4760

1×400	3.4	2.1	38.4	41.9	0.45	2.4	45.1	49.8	5610
1×500	3.4	2.3	41.8	45.8	0.45	2.5	48.8	54.0	6820
1×630	3.4	2.4	45.5	49.6	0.45	2.7	52.8	58.2	8480
3×16	3.4	1.9	34.5	37.9	0.45	2.1	40.7	45.2	2660
3×25	3.4	2.0	38.2	41.6	0.45	2.3	44.7	49.4	3310
3×35	3.4	2.1	40.2	44.1	0.45	2.4	47.0	51.7	3960
3×50	3.4	2.2	43.0	47.0	0.45	2.5	50.0	55.2	4570
3×70	3.4	2.4	47.1	51.3	0.45	2.7	54.4	59.9	5610
3×95	3.4	2.5	51.0	55.6	0.45	2.8	58.5	64.5	6820
3×120	3.4	2.7	55.0	59.8	0.45	3.0	62.9	69.1	8070
3×150	3.4	2.8	58.4	63.3	0.45	3.1	66.5	72.8	9260
3×185	3.4	3.0	62.7	68.1	0.45	3.3	71.2	78.1	10960
3×240	3.4	3.2	68.5	74.1	0.45	3.6	77.5	85.2	13390

8.7/15kV

Constructi on No. of cores×Cro ss section(m m²)	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	4.5	1.5	20.9	23.4	0.3	1.6	25.4	28.5	1150
1×35	4.5	1.5	21.7	24.3	0.3	1.7	26.4	29.6	1260
1×50	4.5	1.5	22.9	25.5	0.3	1.7	27.6	30.8	1510
1×70	4.5	1.6	24.9	27.5	0.3	1.8	29.8	33.4	1770
1×95	4.5	1.7	26.7	29.5	0.45	1.9	32.6	36.3	2270
1×120	4.5	1.8	28.6	31.4	0.45	2.0	34.6	38.5	2730
1×150	4.5	1.8	30.1	33.3	0.45	2.1	36.3	40.2	3020
1×185	4.5	1.9	32.1	35.3	0.45	2.1	38.3	42.3	3490
1×240	4.5	2.0	34.8	38.2	0.45	2.2	41.2	45.7	4260
1×300	4.5	2.1	37.3	40.8	0.45	2.4	44.1	48.7	4810
1×400	4.5	2.2	40.7	44.6	0.45	2.5	47.6	52.4	6160
1×500	4.5	2.4	44.1	48.2	0.45	2.6	51.3	56.6	7330
1×630	4.5	2.5	47.8	52.0	0.45	2.8	55.3	60.8	8800
3×25	4.5	2.2	43.1	47.1	0.45	2.5	50.1	55.4	3610
3×35	4.5	2.3	45.2	49.2	0.45	2.6	52.3	57.7	4510
3×50	4.5	2.4	47.9	52.1	0.45	2.7	55.3	60.8	5210
3×70	4.5	2.6	52.1	56.7	0.45	2.9	59.8	65.9	6390

3×95	4.5	2.7	55.9	60.7	0.45	3.0	63.8	70.1	7660
3×120	4.5	2.9	59.9	64.9	0.45	3.2	68.2	75.1	8810
3×150	4.5	3.0	63.3	68.7	0.45	3.3	71.8	78.8	10070
3×185	4.5	3.2	67.6	73.2	0.45	3.5	76.5	83.7	11420