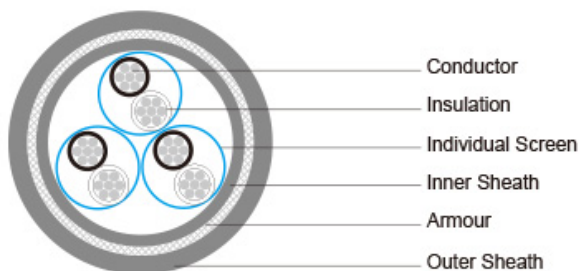


**150/250V HF-EPR Insulated, SW2/SW4 Sheathed, Individually Screened Armoured
Fire Resistant Instrumentation & Control Cables**



Application:

These fire resistant elastomeric insulated cables are designed for fixed wiring in ships and on mobile offshore units, suitable for use in instrumentation, lighting and control circuits 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.
 Lay-up: Pairs, triples.
 Individual Screen: Aluminium/polyester tape + drain wire tinned copper.
 Inner Sheath: Halogen free thermosetting compound SB1 according to BS 7917.
 Armour: Galvanized steel wire braid. Tinned bronze 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: 8×OD
 Temperature Range: -40°C ~ +90°C

Dimensions and Weight

Construction No. of cores×Cross section(m ²)	Nominal Insulation Thickness mm	Nominal Inner Sheath Thickness mm	Minimum Diameter Over Inner Sheath mm	Maximum Diameter Over Inner Sheath mm	Nominal Armour Wire Diameter mm	Nominal Outer Sheath Thickness mm	Minimum Overall Diameter mm	Maximum Overall Diameter mm	Approx. Weight kg/km
Multipair									
1×2×0.75	0.8	1.0	8.1	9.8	0.3	1.2	11.9	13.7	270
3×2×0.75	0.8	1.2	14.0	16.0	0.3	1.4	18.1	20.5	500
7×2×0.75	0.8	1.4	19.0	21.1	0.3	1.6	23.5	26.4	840
12×2×0.75	0.8	1.6	23.8	26.4	0.3	1.8	28.7	31.9	1280

20x2x0.75	0.8	1.9	30.4	33.5	0.45	2.1	36.5	40.5	2050
27x2x0.75	0.8	2.0	34.6	37.9	0.45	2.3	41.2	45.7	2580
37x2x0.75	0.8	2.2	40.5	44.3	0.45	2.5	47.4	52.2	3290
1x2x1	0.8	1.0	8.5	10.3	0.3	1.2	12.3	14.2	280
3x2x1	0.8	1.3	15.0	17.0	0.3	1.4	19.1	21.5	540
7x2x1	0.8	1.4	20.0	22.5	0.3	1.6	24.5	27.6	900
12x2x1	0.8	1.7	25.4	28.0	0.45	1.9	31.2	34.9	1520
20x2x1	0.8	1.9	32.1	35.3	0.45	2.2	38.5	42.9	2250
27x2x1	0.8	2.1	36.8	40.2	0.45	2.4	43.6	48.2	2860
37x2x1	0.8	2.3	43.0	47.0	0.45	2.6	50.2	55.5	3670

Multitriple

1x3x0.75	0.8	1.0	8.1	9.8	0.3	1.2	11.9	13.7	280
3x3x0.75	0.8	1.3	15.0	17.0	0.3	1.5	19.3	22.1	580
7x3x0.75	0.8	1.5	20.8	23.3	0.3	1.7	25.5	28.6	960
12x3x0.75	0.8	1.7	25.8	28.5	0.45	2.0	31.8	35.6	1590
1x3x1	0.8	1.1	8.7	10.5	0.3	1.2	12.5	14.4	300
3x3x1	0.8	1.3	15.8	17.9	0.3	1.5	20.1	23.0	620
7x3x1	0.8	1.5	22.0	24.5	0.3	1.7	26.7	29.8	1050
12x3x1	0.8	1.8	27.5	30.2	0.45	2.0	33.5	37.3	1760

Multiquad

1x4x0.75	0.8	1.1	9.1	10.9	0.3	1.2	12.8	14.8	330
3x4x0.75	0.8	1.4	17.4	19.5	0.3	1.5	21.9	24.8	720
7x4x0.75	0.8	1.6	23.5	26.1	0.3	1.7	28.4	31.6	1240
1x4x1	0.8	1.1	9.6	11.4	0.3	1.2	13.3	15.3	350
3x4x1	0.8	1.4	18.4	20.6	0.3	1.6	22.9	25.9	780
7x4x1	0.8	1.6	24.9	27.6	0.45	1.8	30.8	34.0	1470