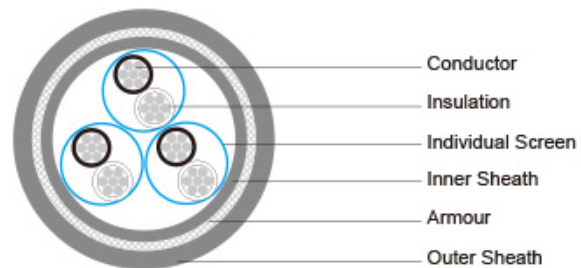


**150/250V HF-EPR Insulated, SW2/SW4 Sheathed, Individually Screened Armoured
Flame Retardant Instrumentation & Control Cables**



Application: These elastomeric insulated cables are designed for fixed wiring in ships and on mobile offshore units, suitable for use in instrumentation, lighting and control circuits.

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.
 Lay-up: Pairs, triples, quads.
 Individual Screen: Aluminium/polyester tape + drain wire tinned copper.
 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. 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: 8xOD
 Temperature Range: -40°C ~ +90°C

Dimensions and Weight

Construction No. of cores x Cross section (mm 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									
1x2x0.75	0.8	1.0	7.3	9.0	0.3	1.2	11.1	12.9	250
3x2x0.75	0.8	1.2	12.6	14.5	0.3	1.4	16.7	19.0	440
7x2x0.75	0.8	1.4	16.9	19.0	0.3	1.6	21.4	24.3	730
12x2x0.75	0.8	1.6	21.3	23.7	0.3	1.8	26.1	29.2	1090
20x2x0.75	0.8	1.9	27.0	29.8	0.45	2.1	33.2	37.0	1750

27x2x0.75	0.8	2.0	30.8	33.9	0.45	2.3	37.3	41.3	2190
37x2x0.75	0.8	2.2	35.9	39.3	0.45	2.5	42.9	47.5	2780
1x2x1	0.8	1.0	7.7	9.5	0.3	1.2	11.5	13.4	260
3x2x1	0.8	1.3	13.5	15.5	0.3	1.4	17.6	20.0	490
7x2x1	0.8	1.4	18.0	20.1	0.3	1.6	22.5	25.4	810
12x2x1	0.8	1.7	22.8	25.4	0.45	1.9	28.6	31.8	1370
20x2x1	0.8	1.9	28.8	31.6	0.45	2.2	35.2	39.0	2010
27x2x1	0.8	2.1	32.8	36.0	0.45	2.4	39.5	44.0	2570
37x2x1	0.8	2.3	38.5	42.3	0.45	2.6	45.7	50.4	3290
Multitriple									
1x3x0.75	0.8	1.0	7.7	9.4	0.3	1.2	11.5	13.3	270
3x3x0.75	0.8	1.3	14.2	16.2	0.3	1.5	18.6	20.9	540
7x3x0.75	0.8	1.5	19.7	22.1	0.3	1.7	24.4	27.4	910
12x3x0.75	0.8	1.7	24.4	27.1	0.45	2.0	30.4	34.1	1500
1x3x1	0.8	1.1	8.4	10.1	0.3	1.2	12.1	14.0	290
3x3x1	0.8	1.3	15.0	17.2	0.3	1.5	19.4	22.3	600
7x3x1	0.8	1.5	21.0	23.5	0.3	1.7	25.7	28.8	1030
12x3x1	0.8	1.8	26.2	28.9	0.45	2.0	32.2	36.0	1740
Multiquad									
1x4x0.75	0.8	1.1	8.6	10.4	0.3	1.2	12.4	14.3	290
3x4x0.75	0.8	1.4	16.4	18.5	0.3	1.5	20.9	23.8	610
7x4x0.75	0.8	1.6	22.1	24.7	0.3	1.7	27.0	30.2	1060
1x4x1	0.8	1.1	9.1	10.9	0.3	1.2	12.9	14.8	330
3x4x1	0.8	1.4	17.5	19.6	0.3	1.6	22.0	24.9	680
7x4x1	0.8	1.6	23.6	26.2	0.45	1.8	29.4	32.0	1290