



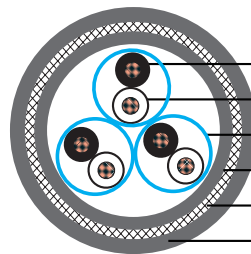
## 150/250V HF-EPR Insulated, SW2/SW4 Sheathed, Individually Screened Armoured Flame Retardant Instrumentation & Control Cables

### 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)



- ▶ Stranded Tinned Copper Conductor
- ▶ HF-EPR GP4 Insulation
- ▶ Aluminium/Polyester Tape + Drain Wire
- ▶ SW2/SW4 Inner Sheath
- ▶ Galvanized Steel Wire Braid
- ▶ SW2/SW4 Outer Sheath

### 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.



## Flame Retardant Instrumentation & Control Cables

[www.caledonian-cables.co.uk](http://www.caledonian-cables.co.uk)

### Mechanical and Thermal Properties

Minimum Internal Bending Radius:  $8 \times OD$

Temperature Range:  $-40^{\circ}\text{C} \sim +90^{\circ}\text{C}$

### Dimensions and Weight

Construction No. of cores×Cross section(mm <sup>2</sup> )	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	7.3	9.0	0.3	1.2	11.1	12.9	250
3×2×0.75	0.8	1.2	12.6	14.5	0.3	1.4	16.7	19.0	440
7×2×0.75	0.8	1.4	16.9	19.0	0.3	1.6	21.4	24.3	730
12×2×0.75	0.8	1.6	21.3	23.7	0.3	1.8	26.1	29.2	1090
20×2×0.75	0.8	1.9	27.0	29.8	0.45	2.1	33.2	37.0	1750
27×2×0.75	0.8	2.0	30.8	33.9	0.45	2.3	37.3	41.3	2190
37×2×0.75	0.8	2.2	35.9	39.3	0.45	2.5	42.9	47.5	2780
1×2×1	0.8	1.0	7.7	9.5	0.3	1.2	11.5	13.4	260
3×2×1	0.8	1.3	13.5	15.5	0.3	1.4	17.6	20.0	490
7×2×1	0.8	1.4	18.0	20.1	0.3	1.6	22.5	25.4	810
12×2×1	0.8	1.7	22.8	25.4	0.45	1.9	28.6	31.8	1370
20×2×1	0.8	1.9	28.8	31.6	0.45	2.2	35.2	39.0	2010
27×2×1	0.8	2.1	32.8	36.0	0.45	2.4	39.5	44.0	2570
37×2×1	0.8	2.3	38.5	42.3	0.45	2.6	45.7	50.4	3290
Multitriples									
1×3×0.75	0.8	1.0	7.7	9.4	0.3	1.2	11.5	13.3	270
3×3×0.75	0.8	1.3	14.2	16.2	0.3	1.5	18.6	20.9	540
7×3×0.75	0.8	1.5	19.7	22.1	0.3	1.7	24.4	27.4	910
12×3×0.75	0.8	1.7	24.4	27.1	0.45	2.0	30.4	34.1	1500
1×3×1	0.8	1.1	8.4	10.1	0.3	1.2	12.1	14.0	290
3×3×1	0.8	1.3	15.0	17.2	0.3	1.5	19.4	22.3	600
7×3×1	0.8	1.5	21.0	23.5	0.3	1.7	25.7	28.8	1030
12×3×1	0.8	1.8	26.2	28.9	0.45	2.0	32.2	36.0	1740
Multiquad									
1×4×0.75	0.8	1.1	8.6	10.4	0.3	1.2	12.4	14.3	290
3×4×0.75	0.8	1.4	16.4	18.5	0.3	1.5	20.9	23.8	610
7×4×0.75	0.8	1.6	22.1	24.7	0.3	1.7	27.0	30.2	1060
1×4×1	0.8	1.1	9.1	10.9	0.3	1.2	12.9	14.8	330
3×4×1	0.8	1.4	17.5	19.6	0.3	1.6	22.0	24.9	680
7×4×1	0.8	1.6	23.6	26.2	0.45	1.8	29.4	32.0	1290

