



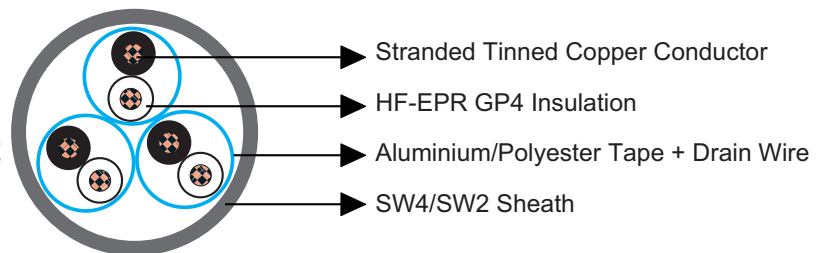
150/250V HF-EPR Insulated, SW2/SW4 Sheathed, Individually Screened Unarmoured Flame Retardant Instrumentation & Control Cables

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.
- 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: $8 \times OD$
Temperature Range: -40°C ~ +90°C



Flame Retardant Instrumentation & Control Cables

www.caledonian-cables.co.uk

Dimensions and Weight

Construction No. of cores×Cross section(mm ²)	Nominal Insulation Thickness mm	Nominal 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	90
3×2×0.75	0.8	1.2	12.6	14.5	200
7×2×0.75	0.8	1.4	16.9	19.0	390
12×2×0.75	0.8	1.6	21.2	23.7	630
20×2×0.75	0.8	1.9	27.0	29.8	1010
27×2×0.75	0.8	2.0	30.8	33.9	1320
37×2×0.75	0.8	2.2	35.9	39.3	1560
1×2×1	0.8	1.0	7.7	9.5	100
3×2×1	0.8	1.3	13.5	15.5	240
7×2×1	0.8	1.4	18.0	20.1	470
12×2×1	0.8	1.7	22.8	25.4	780
20×2×1	0.8	1.9	28.8	31.6	1230
27×2×1	0.8	2.1	32.8	36.0	1630
37×2×1	0.8	2.3	38.5	42.3	2180
Multitripair					
1×3×0.75	0.8	1.0	7.7	9.4	100
3×3×0.75	0.8	1.3	14.2	16.2	250
7×3×0.75	0.8	1.5	19.7	22.1	500
12×3×0.75	0.8	1.7	24.4	27.1	830
1×3×1	0.8	1.1	8.4	10.1	120
3×3×1	0.8	1.3	15.0	17.2	300
7×3×1	0.8	1.5	21.0	23.5	610
12×3×1	0.8	1.8	26.2	28.9	1020
Multiquad					
1×4×0.75	0.8	1.1	8.6	10.4	120
3×4×0.75	0.8	1.4	16.4	18.5	310
7×4×0.75	0.8	1.6	22.1	24.7	620
1×4×1	0.8	1.1	9.1	10.9	140
3×4×1	0.8	1.4	17.5	19.6	360
7×4×1	0.8	1.6	23.6	26.2	740

