



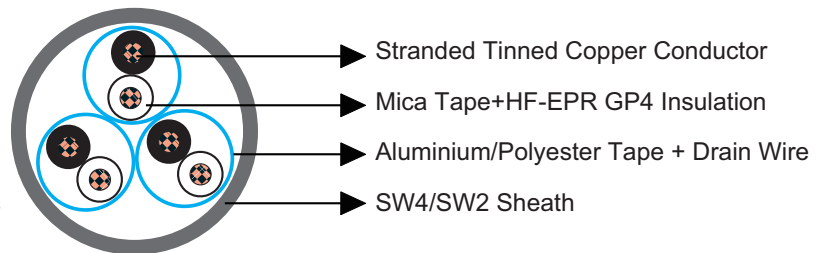
## 150/250V HF-EPR Insulated, SW2/SW4 Sheathed, Individually Screened Unarmoured Fire Resistant Instrumentation & Control Cables

### 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, 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



## Flire Resistant Instrumentation & Control Cables

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

### Dimensions and Weight

Construction No. of cores×Cross section(mm <sup>2</sup> )	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	8.1	9.8	97
3×2×0.75	0.8	1.2	14.0	16.0	227
7×2×0.75	0.8	1.4	19.0	21.1	449
12×2×0.75	0.8	1.6	23.8	26.4	740
20×2×0.75	0.8	1.9	30.4	33.5	1183
27×2×0.75	0.8	2.0	34.6	37.9	1555
37×2×0.75	0.8	2.2	40.5	44.3	1846
1×2×1	0.8	1.0	8.5	10.3	108
3×2×1	0.8	1.3	15.0	17.0	264
7×2×1	0.8	1.4	20.0	22.5	522
12×2×1	0.8	1.7	25.4	28.0	865
20×2×1	0.8	1.9	32.1	35.3	1377
27×2×1	0.8	2.1	36.8	40.2	1814
37×2×1	0.8	2.3	43.0	47.0	2432
Multitripole					
1×3×0.75	0.8	1.0	8.1	9.8	104
3×3×0.75	0.8	1.3	15.0	17.0	269
7×3×0.75	0.8	1.5	20.8	23.3	527
12×3×0.75	0.8	1.7	25.8	28.5	880
1×3×1	0.8	1.1	8.7	10.5	124
3×3×1	0.8	1.3	15.8	17.9	310
7×3×1	0.8	1.5	22.0	24.5	622
12×3×1	0.8	1.8	27.5	30.2	1032
Multiquad					
1×4×0.75	0.8	1.1	9.1	10.9	137
3×4×0.75	0.8	1.4	17.4	19.5	366
7×4×0.75	0.8	1.6	23.5	26.1	725
1×4×1	0.8	1.1	9.6	11.4	148
3×4×1	0.8	1.4	18.4	20.6	413
7×4×1	0.8	1.6	24.9	27.6	843