



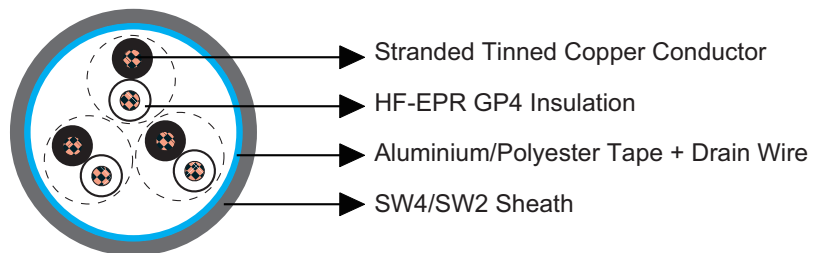
150/250V HF-EPR Insulated, SW2/SW4 Sheathed, Collectively Screened Unarmoured Flame Retardant Instrumentation & Control Cables

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.
- Collective 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

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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					
3×2×0.75	0.8	1.2	12.6	14.5	175
7×2×0.75	0.8	1.4	16.6	18.7	330
12×2×0.75	0.8	1.6	21.7	24.2	530
20×2×0.75	0.8	1.8	27.3	30.1	830
27×2×0.75	0.8	1.9	31.1	34.2	1070
37×2×0.75	0.8	2.1	34.4	37.7	1430
3×2×1	0.8	1.2	13.3	15.3	185
7×2×1	0.8	1.4	17.6	19.8	360
12×2×1	0.8	1.6	23.1	25.7	590
20×2×1	0.8	1.8	29.1	31.9	920
27×2×1	0.8	2.0	33.3	36.6	1220
37×2×1	0.8	2.2	36.9	40.3	1630
Multitriples					
3×3×0.75	0.8	1.3	14.2	16.2	230
7×3×0.75	0.8	1.4	19.4	21.9	440
12×3×0.75	0.8	1.7	24.2	26.8	730
3×3×1	0.8	1.3	15.1	17.1	260
7×3×1	0.8	1.5	20.9	23.4	510
12×3×1	0.8	1.7	25.8	28.5	840

