



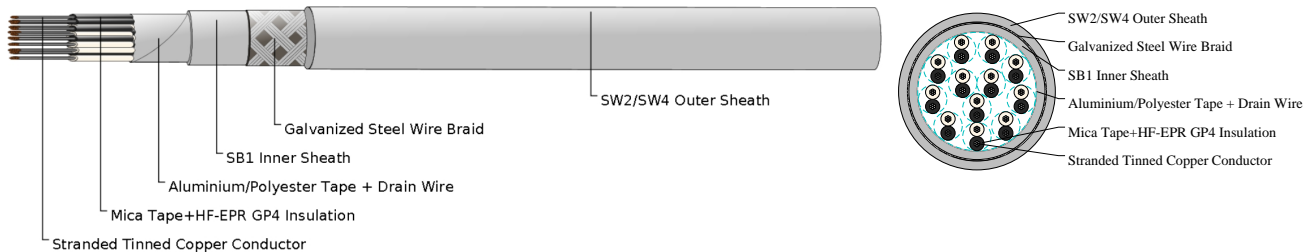
Caledonian

BS 6883&BS 7917 Caledonian Offshore & Marine Cables Fire Resistant Instrumentation & Control Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

150/250V HF-EPR Insulated, SW2/SW4 Sheathed, Collectively Screened Armoured Fire Resistant Instrumentation & Control Cables 12P1.0



APPLICATIONS

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)

VOLTAGE RATING

150/250V

CABLE 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.

Collective Screen: Aluminium/polyester tape + drain wire tinned copper.

Inner Sheath: Halogen free thermosetting compound SB1 according to BS 7917.

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.

PHYSICAL AND THERMAL PROPERTIES

Temperature Range: -40°C ~ +90°C

MECHANICAL PROPERTIES

Minimum Internal Bending Radius: 8×OD

DIMENSION AND PARAMETERS



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| No. of Cores × Cross-sectional Area | Nominal Insulation Thickness | Nominal Inner Sheath Thickness | Diameter Over Inner Sheath (min.) | Diameter Over Inner Sheath (max.) | Nominal Armour Wire Diameter | Nominal Outer Sheath Thickness | Overall Diameter (min.) | Overall Diameter (max.) | Approx. Weight |
|-------------------------------------|------------------------------|--------------------------------|-----------------------------------|-----------------------------------|------------------------------|--------------------------------|-------------------------|-------------------------|----------------|
| No. × mm ² | mm | mm | mm | mm | mm | mm | mm | mm | kg/km |
| 12x2x1 | 0.8 | 1.6 | 25.8 | 28.5 | 0.3 | 1.8 | 30.7 | 34.4 | 1170 |