



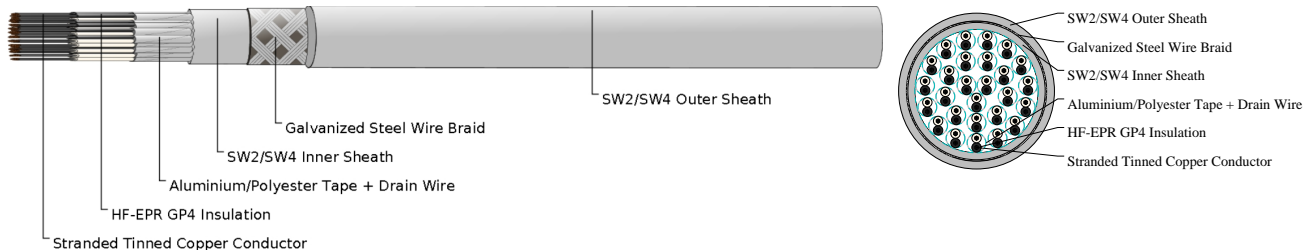
Caledonian

BS 6883&BS 7917 Caledonian Offshore & Marine Cables Flame Retardant Instrumentation & Control Cables

www.caledonian-cables.com

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150/250V HF-EPR Insulated, SW2/SW4 Sheathed, Individually Screened Armoured Flame Retardant Instrumentation & Control Cables 27P1.0



APPLICATIONS

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)

VOLTAGE RATING

150/250V

CABLE 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.

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
27x2x1	0.8	2.1	32.8	36.0	0.45	2.4	39.5	44.0	2570