



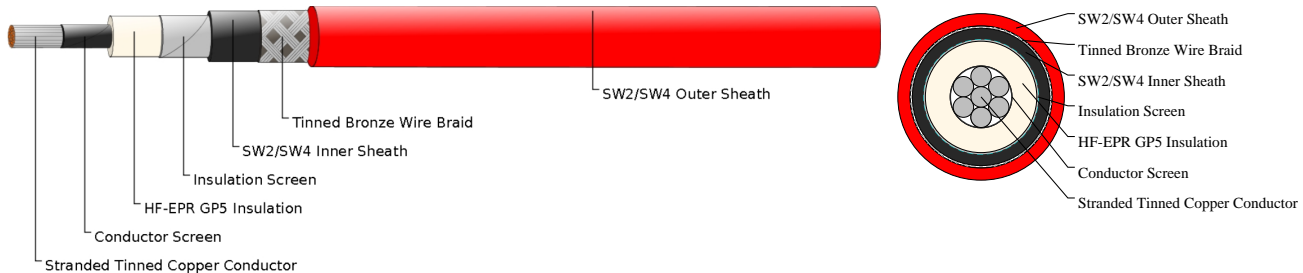
Caledonian

BS 6883&BS 7917 Caledonian Offshore & Marine Cables MV Flame Retardant Power & Control Cables

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3.8/6.6kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Flame Retardant Power & Control Cables (Radial Field) 1C35.0



APPLICATIONS

These medium voltage elastomeric insulated cables are designed for fixed wiring in ships and on mobile offshore units, suitable for use in power and control applications.

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

3.8/6.6kV

CABLE CONSTRUCTION

Conductor: Tinned copper wire stranded circular cl. 2 BS 6360/IEC 60228.

Conductor Screen: Semiconducting layer or tape.

Insulation: HF-EPR GP5 according to BS 7655 1.2.

Insulation Screen: Semiconducting layer or tape + Tinned copper tape.

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 or tinned bronze wire braid (single core).

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.

COLOUR CODE

Single core : Natural colour of the compound

MECHANICAL PROPERTIES

Minimum Internal Bending Radius: 15×OD (single core)

Temperature Range: -40°C ~ +90°C



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DIMENSION AND PARAMETERS

| 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 |
| 1x35 | 3.0 | 1.4 | 18.7 | 20.8 | 0.3 | 1.5 | 23.0 | 26.0 | 1060 |