



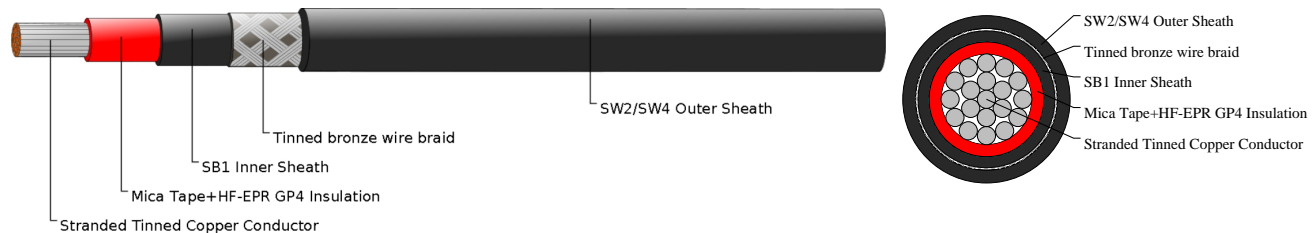
Caledonian

BS 6883&BS 7917 Caledonian Offshore & Marine Cables LV Fire Resistant Power & Control Cables

www.caledonian-cables.com

marketing@caledonian-cables.com

0.6/1kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Fire Resistant Power & Control Cables 1C70.0



APPLICATIONS

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

0.6/1kV

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.

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

Armour: Tinned bronze wire braid. Copper 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: 6×OD

DIMENSION AND PARAMETERS

| No. of Cores × Cross- | Nominal Insulation Thickness | Nominal Inner | Diameter Over Inner | Diameter Over Inner | Nominal Armour | Nominal Outer | Overall Diameter (min.) | Overall Diameter (max.) | Approx. Weight |
|-----------------------|------------------------------|---------------|---------------------|---------------------|----------------|---------------|-------------------------|-------------------------|----------------|
|-----------------------|------------------------------|---------------|---------------------|---------------------|----------------|---------------|-------------------------|-------------------------|----------------|



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| sectional Area | | Sheath Thickness | Sheath (min.) | Sheath (max.) | Wire Diameter | Sheath Thickness | | | |
|---------------------|-----|---------------------|------------------|------------------|------------------|---------------------|------|------|-------|
| No.×mm ² | mm | mm | mm | mm | mm | mm | mm | mm | kg/km |
| 1x70 | 1.4 | 1.3 | 15.8 | 17.8 | 0.3 | 1.5 | 20.2 | 23.0 | 1170 |