



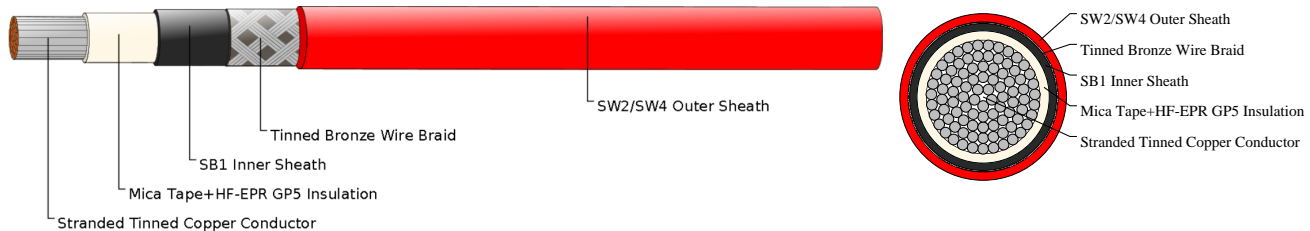
## Caledonian

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

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### 1.9/3.3kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Fire Resistant Power & Control Cables 1C630.0



### APPLICATIONS

These fire resistant 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 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

1.9/3.3kV

### CABLE CONSTRUCTION

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

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

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

Armour: Tinned bronze wire braid.

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

### PHYSICAL AND THERMAL PROPERTIES

Temperature Range: -40°C ~ +90°C

### MECHANICAL PROPERTIES

Minimum Internal Bending Radius: 6×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 <sup>2</sup>               | mm                           | mm                             | mm                                | mm                                | mm                           | mm                             | mm                      | mm                      | kg/km          |
| 1x630                               | 2.8                          | 2.3                            | 41.6                              | 45.6                              | 0.45                         | 2.6                            | 48.8                    | 54.0                    | 8583           |