



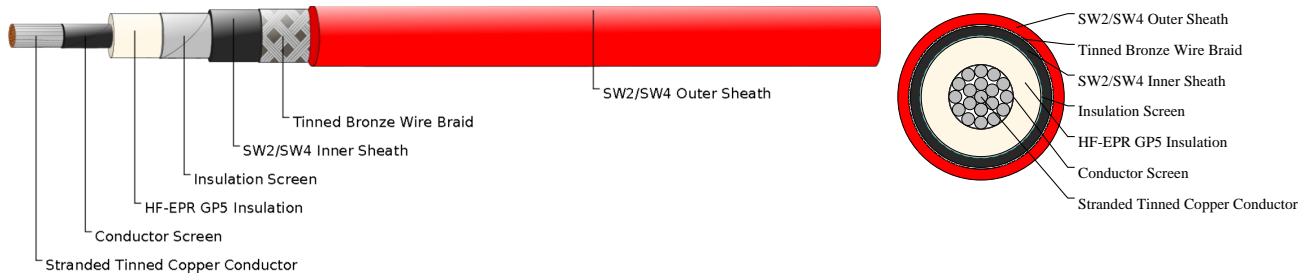
## Caledonian

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

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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### 8.7/15kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Flame Retardant Power & Control Cables (Radial Field) 1C70.0



### 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

8.7/15kV

### 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: 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

### MECHANICAL PROPERTIES

Minimum Internal Bending Radius: 15×OD

Temperature Range: -40°C ~ +90°C



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### DIMENSION AND PARAMETERS

| No. of<br>Cores ×<br>Cross-<br>sectional<br>Area | Nominal<br>Insulation<br>Thickness | Nominal<br>Inner<br>Sheath<br>Thickness | Diameter<br>Over<br>Inner<br>Sheath<br>(min.) | Diameter<br>Over<br>Inner<br>Sheath<br>(max.) | Nominal<br>Armour<br>Wire<br>Diameter | Nominal<br>Outer<br>Sheath<br>Thickness | Overall<br>Diameter<br>(min.) | Overall<br>Diameter<br>(max.) | Approx.<br>Weight |
|--|------------------------------------|---|---|---|---------------------------------------|---|-------------------------------|-------------------------------|-------------------|
| No.×mm <sup>2</sup>                              | mm                                 | mm                                      | mm  | mm  | mm                                    | mm                                      | mm                            | mm                            | kg/km             |
| 1x70   | 4.5                                | 1.6                                     | 24.9  | 27.5  | 0.3                                   | 1.8                                     | 29.8                          | 33.4                          | 1770              |