



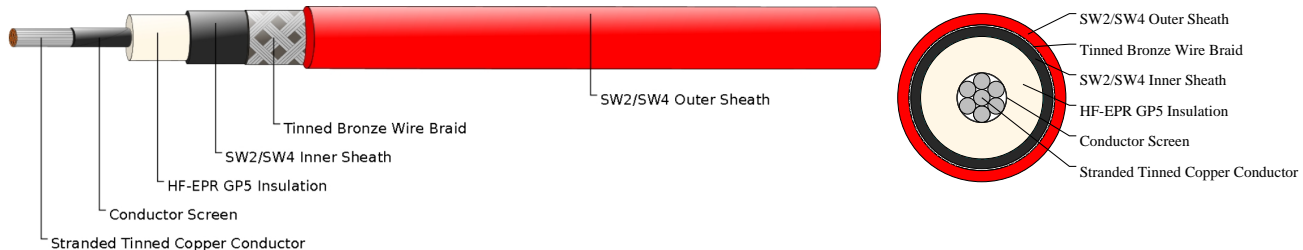
# Caledonian

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

www.caledonian-cables.com

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## 6.6/6.6kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Flame Retardant Power & Control Cables (Non 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

6.6/6.6kV

### 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.

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 (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

### PHYSICAL AND THERMAL PROPERTIES

Temperature Range: -40°C ~ +90°C

### MECHANICAL PROPERTIES



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Minimum Internal Bending Radius: 12×OD

### 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 <sup>2</sup>                 | mm                           | mm                             | mm                                | mm                                | mm                           | mm                             | mm                      | mm                      | kg/km          |
| 1x35                                | 5.5                          | 1.5                            | 20.8                              | 23.3                              | 0.3                          | 1.7                            | 25.5                    | 28.6                    | 1338           |