



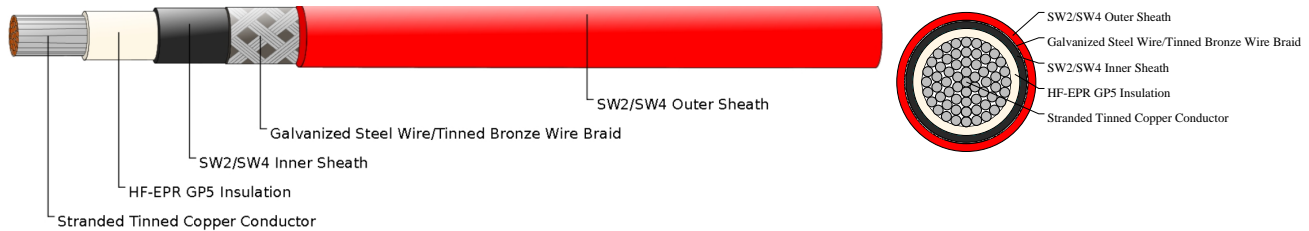
# Caledonian

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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## 1.9/3.3kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Flame Retardant Power & Control Cables 1C500.0



### 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

1.9/3.3kV

### CABLE CONSTRUCTION

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

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: 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: 6×OD

Temperature Range: -40°C ~ +90°C

### 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
1x500	2.8	2.2	37.6	41.1	0.45	2.5	44.5	49.2	6726