8.7/15kV HF-EPR Insulated, SW2/SW4 Sheathed Armoured Flame Retardant Power & Control Cables (Radial Field) 3C70.0

Galvanized Steel Wire
SW2/SW4 Inner Sheath
Insulation Screen
HF-EPR GP5 Insulation
Conductor Screen
Stranded Tinned Copper Conductor
SW2/SW4 Outer Sheath

SW2/SW4 Outer Sheath
Galvanized Steel Wire
SW2/SW4 Inner Sheath
HF-EPR GP5 Insulation
Insulation Screen
Conductor Screen
Stranded Tinned Copper Conductor

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: Galvanized steel 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

Three core:Coloured tape or thread (e.g.: red - yellow - blue)

MECHANICAL PROPERTIES

Minimum Internal Bending Radius: 20×OD
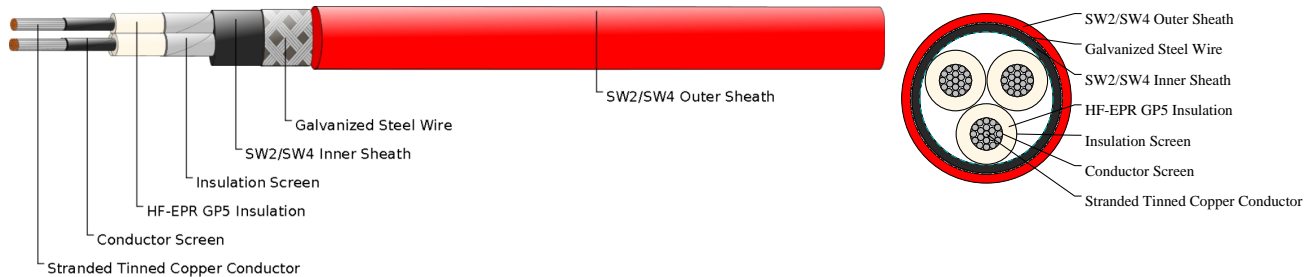Temperature Range: -40℃ ~ +90℃

Caledonian

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

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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.×mm²	mm	mm	mm	mm	mm	mm	mm	mm	kg/km
3x70	4.5	2.6	52.1	56.7	0.45	2.9	59.8	65.9	6390