Caledonian
Cables For Oil Industry
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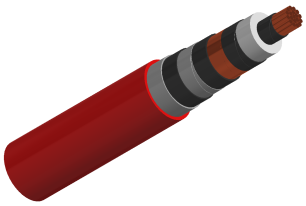
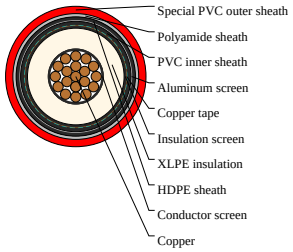
Medium Voltage XLPE Insulated Overall Screened Cable to IEC 60502-2

XLPE Insulated Overall Screened Cable 1C95





APPLICATIONS

These cables are suitable for installation mostly in power supply stations, indoors and in cable ducts, outdoors, underground and in water as well as for installation on cable trays for industries.

STANDARDS

IEC 60228; IEC 60502-2

VOLTAGE RATING

12 / 20 (24) KV

CABLE CONSTRUCTION

Conductor: Stranded bare copper (class 2)
Conductor screen: This will be an extruded layer of semi-conducting crosslinkable compound applied under simultaneous triple extrusion process over the conductor along with the insulation and the insulation screen
Insulation: XLPE
Insulation screen: This will be a layer of semi-conducting crosslinkable compound which will be applied by triple extrusion process over the insulation
Inner sheath: PVC Color: black
Overall screen: Aluminum/polyethylene tape
Sheath: HDPE Color: black
Special sheath (intermediate sheath): Polyamide
Outer sheath: Special PVC. Color: red. U.V resistance can be offered upon request

COLOUR CODE

1 Core: Natural

PHYSICAL AND THERMAL PROPERTIES

Fire retardance: IEC 60332-3-22
Operating temperature: -20~60°C
Max. conductor operating temperature: 90°C
Chemical resistance: Aliphatic and aromatic hydrocarbon resistance

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DIMENSION AND PARAMETERS

No. of Cores	Nominal Cross-sectional Area	Nominal Diameter over Insulation	Diameter Over Intermediate Sheath	Diameter Over Inner Sheath	Overall Diameter (min.)	Overall Diameter (max.)	Diameter over Screen	Approx. Weight
	mm²	mm	mm	mm	mm	mm	mm	kg/km
1	95	23.55	31.6	27.3	34.7	38.3	25	1987