



Caledonian

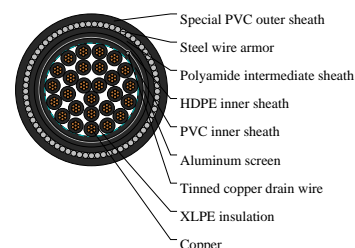
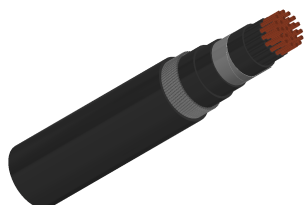
Cables For Oil Industry

www.caledonian-cables.com

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600V/1000V XLPE Insulated Overall Screened & Steel Wire Armored Cable to IEC 60502-1

XLPE Insulated Overall Screened & Steel Wire Armored Cable 27C2.5



APPLICATIONS

These cables are used for electricity supply in low voltage installation system. They are suitable for installation in indoors and outdoors, in cable ducts, under ground, in power and switching stations, local energy distributions, industrial plants and where aliphatic and aromatic hydrocarbon may be present or where require chemical and mechanical protections.

CABLE CONSTRUCTION

Conductor: Stranded copper

Insulation: XLPE

Inner sheath: PVC. Color: black

Screen: aluminum/polyethylene tape with tinned copper drain wire

Inner sheath: HDPE. Color: black

Intermediate sheath: Polyamide

Armor: Galvanized steel wires

Sheath: Special PVC. Color: black

COLOUR CODE

Above 5 cores: Black core printed with white numbers

PHYSICAL AND THERMAL PROPERTIES

Rated voltage: 600V/1000V

Fire retardance: IEC 60332-3-22

Operating temperature: -20~60°C

Max. conductor operating temperature: 90°C

Chemical resistance: Aliphatic and aromatic hydrocarbon resistance

DIMENSION AND PARAMETERS

No. of Cores	Nominal Cross-sectional Area	Conductor Class	Nominal Diameter over Insulation	Diameter Over Intermediate Sheath	Diameter Over Inner Sheath	Overall Diameter (min.)	Overall Diameter (max.)	Nominal Diameter Over Armour	Approx. Weight
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	mm ²		mm	mm	mm	mm	mm	mm	kg/km
27	2.5	Stranded, Class 2	3.31	26	22.5	32	35.3	29.2	2154