



Caledonian

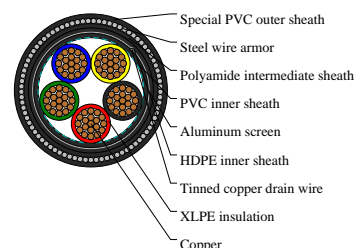
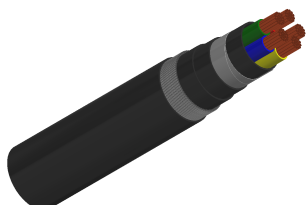
Cables For Oil Industry

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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 5C50



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

5 Cores: Red, Yellow, Blue, Black, Green

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 |
|---|-----------------|----------------------|------|------|------|------|------|------|-------|
| 5 | 50 | Stranded, Class 2 | 10.2 | 33.4 | 29.9 | 40.6 | 44.7 | 37.4 | 4645 |