



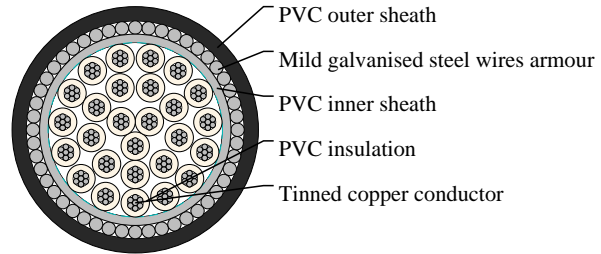
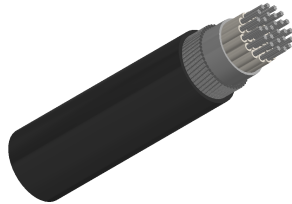
Caledonian

Telecommunication cables

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Auxiliary Multicore Cables 600/1000V 27C2.5



APPLICATIONS

Polyvinyl chloride insulated multicore cables for use by distribution and generation utilities for control, data or telecommunication applications to ENATS 09-6. Telecommunication cable is predominantly used in electrical instrumentation and communications.

STANDARDS

ENATS 09-6 ISSUE 9

Flame Retardant : IEC 60332-3-24

VOLTAGE RATING

600/1000 V

CABLE CONSTRUCTION

Conductors : Strand(Class 2) tinned copper conductors to BS EN 60228.

Insulation : PVC insulation to BS7655.

Inner Sheath : PVC inner sheath.

Armouring : Mild galvanised steel wires to BS EN10257-1.

Outer Sheath : PVC outer sheath to BS7655.

COLOUR CODE

Colour Code:White numbered

PHYSICAL AND THERMAL PROPERTIES

PROPERTIES FOR CABLE:

Temperature Rating:70°C maximum conductor operating temperature.

Minimum Bending Radius:10 X O.D.

PROPERTIES FOR OUTER SHEATH:

Amount of halogen acid gas:HCl<15%

Sunlight Resistance:UL 1581 Section 1200

Temperature Installation:-5°C/50°C

Temperature Operating:-30°C/50°C

Electrical Properties



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ELECTRICAL DATA @ 20°C:

Conductor resistance (Stranded/Class 2):7.41 Ω /km(Max.)

Insulation resistance (Individual conductor):9 M Ω xkm(Min.)

Mutual capacitance 1kHz (Nominal equivalent star):440 nF/km(Max.)

DIMENSION AND PARAMETERS

| No. of Cores | Nominal Cross-sectional Area | Nominal Insulation Thickness | Nominal Inner Sheath Thickness | Diameter Over Inner Sheath (min.) | Nominal Armour Wire Diameter | Nominal Outer Sheath Thickness | Approx. Overall Diameter | Appr. Copper Weight |
|--------------|------------------------------|------------------------------|--------------------------------|-----------------------------------|------------------------------|--------------------------------|--------------------------|---------------------|
| | mm ² | mm | mm | mm | mm | mm | mm | kg/km |
| 27 | 2.5 | 0.7 | 1 | 20.51 | 1.6 | 1.7 | 27.11 | 1693 |