



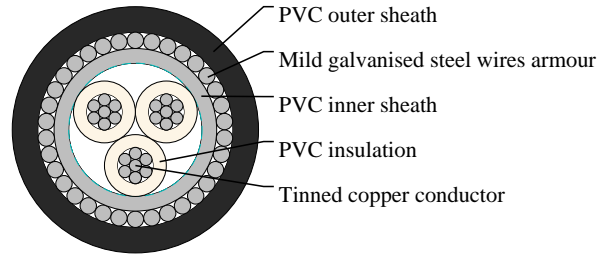
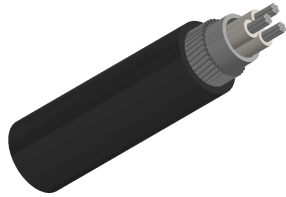
# Caledonian

Telecommunication cables

[www.caledonian-cables.com](http://www.caledonian-cables.com)

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## Auxiliary Multicore Cables 600/1000V 3C2.5



### 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  $\Omega$ /km(Max.)

Insulation resistance (Individual conductor): 9 M $\Omega$ 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 <sup>2</sup>              | mm                           | mm                             | mm                                | mm                           | mm                             | mm                       | kg/km               |
| 3            | 2.5                          | 0.7                          | 0.8                            | 8.04                              | 0.9                          | 1.4                            | 12.64                    | 342                 |