



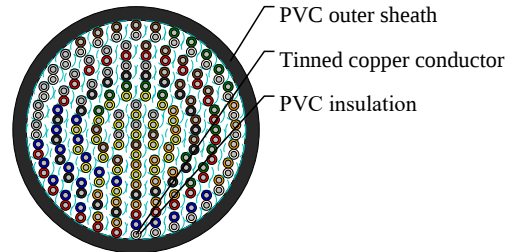
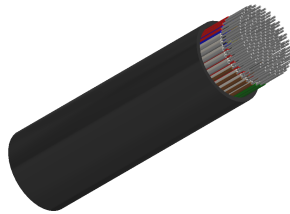
# Caledonian

Telecommunication cables

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

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## Auxiliary Multipair Cables - PVC 100P0.5



## APPLICATIONS

These light current control cables are intended primarily for use with control, indication and alarm equipment for switchgear and similar power apparatus in power stations and substations. Suitable for use on circuits where the nominal voltage does not exceed 150V d.c. or 110V a.c. Suitable for direct buried applications.

## STANDARDS

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Flame Retardant: IEC 60332-3-24

## VOLTAGE RATING

150V d.c./110V a.c

## CABLE CONSTRUCTION

Conductors : Solid (Class 1) tinned copper conductors to BS EN 60228.

Insulation : PVC insulation to BS7655.

Pair Identification : See colour code.

Outer Sheath : Black PVC outer sheath to BS7655.

## COLOUR CODE

ENATS 09-6 Issue 9 \* Table 1

## PHYSICAL AND THERMAL PROPERTIES

PROPERTIES FOR CABLE:

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

ELECTRICAL DATA @ 20°C:

Conductor resistance (Solid / Class 1): 36 Ω/km (Max.)



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Insulation resistance :(Individual conductor):80 MΩxkm(Min.)

Mutual capacitance 1kHz (core to core):150 nF/km(Max.)

Mutual inductance:50μH/Ω(Max.)

Test voltage:Ums core:2000V(core)

## DIMENSION AND PARAMETERS

| No. of Cores | Nominal Cross-sectional Area | Nominal Insulation Thickness | Nominal Outer Sheath Thickness | Approx. Overall Diameter | Appr. Copper Weight |
|--------------|------------------------------|------------------------------|--------------------------------|--------------------------|---------------------|
|              | mm <sup>2</sup>              | mm                           | mm                             | mm                       | kg/km               |
| 100          | 0.5                          | 0.3                          | 1.9                            | 32.18                    | 1606                |