



# Caledonian

Telephone Cables

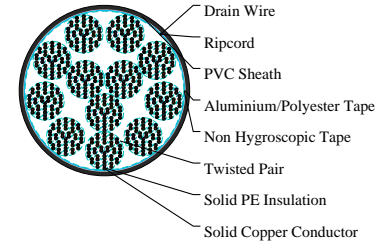
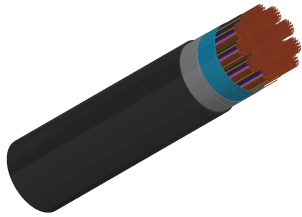
[www.caledonian-cables.com](http://www.caledonian-cables.com)

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## INDOOR TELEPHONE CABLES

PE Insulated Category 3 FTP Cables

TP568-2Y(St)Y-300P05-FTPC3



## APPLICATIONS

The cables are designed for medium frequency data or telephone systems, suitable for indoor or outdoor insulations.

## STANDARDS

TIA/EIA-568B

IEC 61156-4

UL-444

ANSI/ICEA S-80-576

## CABLE CONSTRUCTION

Conductors: Solid annealed bare copper sized 0.5mm (24 AWG) as per ASTM-B3/class 1 of IEC 60228.

Insulation: Solid polyethylene as per ASTM D 1248/IEC 60708.

Twisted Pairs: Insulated conductors are twisted into pairs with varying lay length to minimize crosstalk.

Cable Core Assembly: The 50-pair cable is composed of 4 units having 12 or 13 pairs each. All other cables are composed of 25-pair units. Units are identified by colour coded binders.

Core Wrapping: Non-hygroscopic dielectric tape fully enclosing the core with an overlap.

Screen: An optional Aluminium/Polyester tape placed in contact with solid copper drain wire may be provided as an option.

Ripcord: Nylon ripcord may be placed parallel to the cores to facilitate sheath removal.

Sheath: PVC.

## COLOUR CODE

Standard Colour Code is per TIA/EIA 568B or ICEA S-80-576 as given in Colour Code Chart.

## PHYSICAL AND THERMAL PROPERTIES

Temperature range during operation (fixed state): -30°C – +70°C

Temperature range during installation (mobile state): -20°C – +50°C

Minimum bending radius: 10 x Overall Diameter (unarmoured cables); 15 x Overall Diameter (armoured cables)

## DIMENSION AND PARAMETERS



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| Caledonian Cable Code                  | No. of Pairs | Conductor Diameter | Nominal Diameter over Insulation | Nominal Sheath Thickness | Nom. Overall Diameter | Approx. Weight |
|--|--------------|--------------------|----------------------------------|--------------------------|-----------------------|----------------|
|  |              | mm                 | mm                               | mm                       | mm                    | kg/km          |
| TP568<br>-2Y(St)Y<br>-300P05<br>-FTPC3 | 300          | 0.5                | 0.9                              | 1.3                      | 36.6                  | 1630           |