



# Caledonian

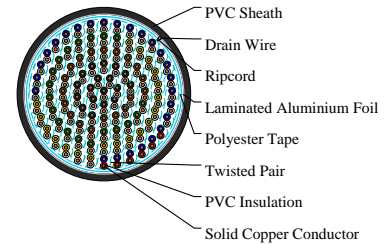
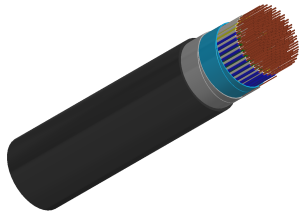
Telephone Cables

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

[marketing@caledonian-cables.com](mailto:marketing@caledonian-cables.com)

## INDOOR TELEPHONE CABLES

PVC Insulated & PVC Sheathed Switchboard Cables to DIN VDE 0815  
T815J-Y(St)Y-Lg-100P08



## APPLICATIONS

The installation cables are used for telephone and signal transmission and suitable for permanent installation on and under plaster in dry and damp rooms and for permanent installation on external walls. They are designed to handle low frequency analogue or digital signals for flexible installation.

## STANDARDS

DIN VDE 0815

## CABLE CONSTRUCTION

Conductors: Solid annealed bare copper as per VDE 0295/IEC 60228 Class 1.

Insulation: PVC YI1 type to DIN VDE 0207-4.

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

Cabling Element: Twisted Pairs.

Cable Core Assembly: The twisted pairs are stranded to cable core in layers.

Core Wrapping: One or more non-hygroscopic polyester tapes are helically or longitudinally laid with an overlap prior to sheathing.

Screen: Laminated aluminium foil is provided for fully enclosing the core with an overlap.

Drain Wire: Drain wire with a diameter of 0.6mm is provided in cables with more than 10 pairs.

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

Sheath: PVC YM1 type to DIN VDE 0207-5.

## COLOUR CODE

In 2 pair- cables:

Pair 1: a-wire red b-wire black

Pair 2: a-wire white b-wire yellow

In cables with 4 and more pairs:

a-wire of the 1st pair in each layer red, in all other pairs white

b-wire blue, yellow, green, brown, black in repeated sequence counting direction from the outside to the inside.

## PHYSICAL AND THERMAL PROPERTIES



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

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

Minimum bending radius: 7.5 x Overall Diameter

## DIMENSION AND PARAMETERS

Caledonian Cable Code	No. of Pairs	Conductor Size	Conductor Diameter	Nominal Insulation Thickness	Nominal Diameter over Insulation	Nominal Sheath Thickness	Nom. Overall Diameter	Approx. Weight
		mm <sup>2</sup>	mm	mm	mm	mm	mm	kg/km
T815J - Y(St)Y-Lg-100P08	100	0.5	0.8	0.4	1.6	2	33	1750