



Caledonian

Telephone Cables

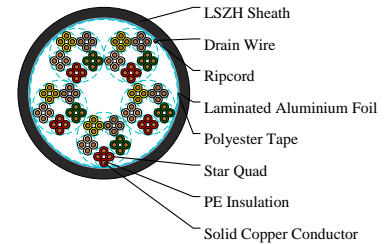
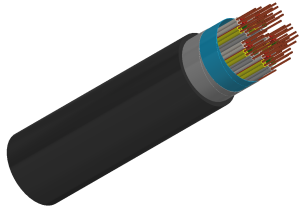
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INDOOR TELEPHONE CABLES

PE Insulated & PVC/LSZH Sheathed Installation Cables to DIN VDE 0816/0815

TP815J-2Y(ST)H-StIII-Bd-50P06



APPLICATIONS

The installation cables are used for telephone, signaling and data transmission for permanent surface or concealed installation in dry and damp rooms and for outdoor applications.

STANDARDS

DIN VDE 0816/0815

CABLE CONSTRUCTION

Conductors: Solid annealed bare copper sized 0.6mm as per VDE 0295/IEC 60228 class 1.

Insulation: Solid polyethylene 2Y12 type as per VDE 0207-2.

Cabling Element: Star Quads.

Cable Core Assembly: Group of four wires is stranded into a star quad, the quads are assembled into units and the units form the core.

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 fully enclosing the core with an overlap.

Drain Wire: Tinned drain wire may be applied longitudinally to provide continuity of the screen.

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

Sheath: LSZH type to DIN VDE 0207 part 5.

COLOUR CODE

Quads:

The single core is identified by black ring markings:

Side Circuit 1: a-wire without marking

b-wire 1 mark distance 17mm

Side Circuit 2: a-wire 2 marks distance 34mm

b-wire 2 marks distance 17mm

Subunits:

Basic colours of the wire insulation of the 5 star quads of a basic unit:

Quad 1 Red



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Quad 2 Green

Quad 3 Grey

Quad 4 Yellow

Quad 5 White

The tracer units are coded with a red helix, all other units by a white binder.

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

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 ²	mm	mm	mm	mm	mm	kg/km
TP815J -2Y(St)H -StIII- Bd-50P06	50	0.283	0.6	0.25	1.1	1.4	17.9	451