



Caledonian

Telephone Cables

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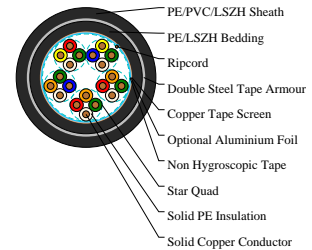
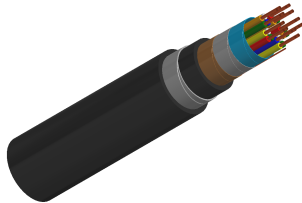
marketing@caledonian-cables.com

SPECIAL TELEPHONE CABLES

PE Insulated Air Core/Jelly Filled Star Quad Railway Signalling Cables to VDE 0816/DIN 57816

Type 5: 1.4mm Conductor, 2.7mm Insulated Wire, Copper Tape Screened, RF 0.6 Steel tape thickness 0.5mm

TP816AJ-2Y(St)YbY-S Lg (fK)(2B0.5)-5Q14



APPLICATIONS

The cables are designed to give good protection to the core against inductive interference. The cables are used for outdoor signaling equipment.

STANDARDS

VDE 0816/DIN 57816

CABLE CONSTRUCTION

Conductors: Solid annealed bare copper as per ASTM B-3/IEC 60228 Class 1.

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

Cabling Element: Four insulated conductors are twisted together to form a quad.

Cable Core Assembly: The cores are cabled together in concentric layers to form the cable core. Units are identified by colour coded binders.

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

Electrostatic Screen: Copper tape with of 0.12mm.

Bedding: PE or LSZH.

Electrostatic Armour: Two steel tapes of 0.5mm are helically applied with gap. The outer tape will cover the gap left by the inner one.

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

Sheath: PE/PVC or LSZH.

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: 15 x Overall Diameter

DIMENSION AND PARAMETERS

Caledonian Cable Code	No. of Quad	Conductor Size	Conductor Diameter	Nominal Insulation Thickness	Nominal Diameter	Nominal Inner	Nominal Outer	Nom. Overall Diameter	Approx. Weight
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					over Insulation	Sheath Thickness	Sheath Thickness		
		mm ²	mm	mm	mm	mm	mm	mm	kg/km
TP816AJ -2Y(St)Yb -SLg(fk) (2B0.5) -5Q09	5	1.539	1.4	0.65	2.7	1.7	1.8	29.5	1430