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Telephone Cables

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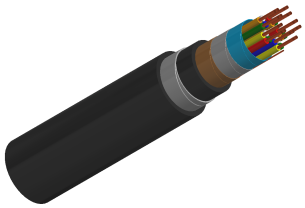
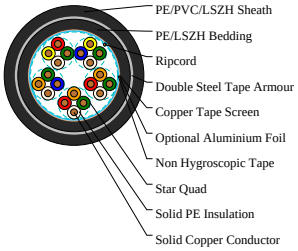
SPECIAL TELEPHONE CABLES

PE Insulated Air Core/Jelly Filled Star Quad Railway Signalling Cables to VDE 0816/DIN 57816
Type 1: 0.9mm Conductor, 1.8mm Insulated Wire, Copper Tape Screened, RF 0.6 Steel tape thickness 0.5mm
TP816AJ-2Y(St)YbY-S Lg (fK)(2B0.5)-5Q09





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		
		mm²	mm	mm	mm	mm	mm	mm	kg/km
TP816AJ-2Y(St)Yb-SLg(fK)(2B0.5)-5Q09	5	0.636	0.9	0.45	1.8	1.7	1.8	25.5	1035