Caledonian
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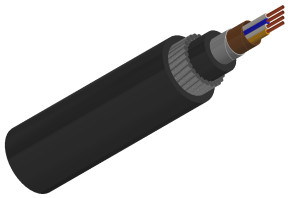
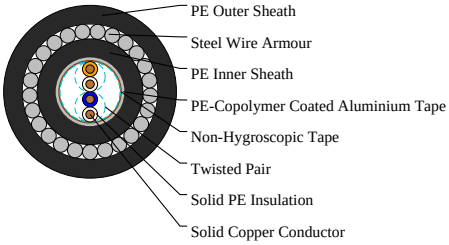
OUTDOOR TELEPHONE CABLES

Solid PE Insulated, PE Inner Sheathed, Steel Wire Armoured and PE Outer Sheathed Jelly Filled Cable to CW 1326/1179/1198 (Screened)

TP1326-2YF(L)2Y(SWA)2Y-2P05





APPLICATIONS

The cables are designed for use as subscriber distribution cables and as connection between central offices in local access networks. The cables are jelly filled and suitable for installation in ducts. The cables are also available for direct burial in the ground and aerial installation with integral suspension strand. An armoured option is offered for direct burial installations. A figure-8 self support option is offered for aerial installation.

STANDARDS

CW 1326 (For unscreened cable)
CW 1179 (For screened cable)
CW 1252 (For self-supporting cable)

CABLE CONSTRUCTION

Conductors: Solid annealed bare copper, as per class 1 of BS 6360/IEC 60228.
Insulation: Solid polyethylene as per BS EN 50290-2-23/BS 6234/IEC 60708.
Twisted Pairs: Insulated conductors are twisted into pairs with varying lay length to minimize crosstalk.
Cabling Element: Twisted Pairs.
Cable Core Assembly: Cables are composed of 10-pair units.
Core Wrapping: One or more non-hygroscopic polyester tapes are helically or longitudinally laid with an overlap. These tapes furnish thermal, mechanical as well as high dielectric protection between shielding and individual conductors.
Moisture Barrier: A layer of aluminium tape (0.15mm) coated with PE-copolymer on one or both sides is applied longitudinally with overlap over the cable core to provide shielding coverage and ensure a barrier against water vapor.
Filling: The cable core interstices are filled with petroleum jelly to avoid longitudinal water penetration within the cable.The water resistant filling compound is applied to the air space between non-hygroscopic tape and shield, shield and sheath within the cable core.
Inner Sheath: Black low density polyethylene as per BS 6234/IEC 60708.
Armour: Steel wire armour.

Sheath: Black low density polyethylene as per BS 6234/IEC 60708, being able to withstand exposure to sunlight, temperature variations, ground chemicals and other environmental contaminants.
Ripcord: Ripcord may be provided for slitting the sheath longitudinally to facilitate its removal.
Spare Pairs (optional): Spare pairs may be incorporated for 200 and larger pair cables.
Continuity Wire (optional): Tinned copper drain wire may be longitudinally laid to ensure electrical continuity of the screen.

COLOUR CODE

Standard colour code is per CW 1326 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

Caledonian Cable Code	No. of Pairs	Conductor Size	AWG Size	Conductor Diameter	Nominal Insulation Thickness	Nominal Bedding Thickness	Nominal Diameter over Insulation	Sheath Thickness (min.)	Nominal Armour Wire Diameter	Overall Diameter (max.)	Approx. Weight
		mm²		mm	mm	mm	mm	mm	mm	mm	kg/km
P1326-2YF(L)2Y(SWA)2Y-2P05	2	0.196	24	0.5	0.275	1.1	1.05	0.9	0.9	15.2	251