



Caledonian

Telephone Cables

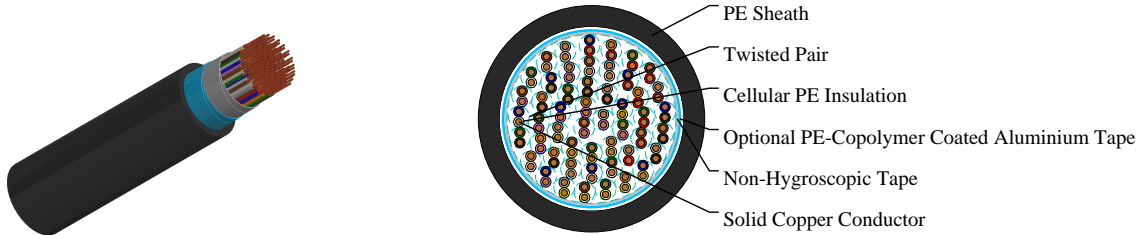
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OUTDOOR TELEPHONE CABLES

Cellular PE Insulated & LAP Sheathed Air Core Cable to CW 1224

TP1224-02Y(L)2Y-50P05



APPLICATIONS

The cables are designed for local main network where it is pressurized. They are used as subscriber distribution cables and as connection between central offices. The cables are suitable for installation in ducts in access or trunk networks.

STANDARDS

CW 1224

CABLE CONSTRUCTION

Conductors: Solid annealed bare copper, as per class 1 of BS 6360/IEC 60228.

Insulation: Cellular polyethylene as per BS EN 50290-2-23/IEC 60708/BS 6234.

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

Cabling Element: Twisted Pairs.

Cable Core Assembly: Cables with up to 100 pairs are composed of 25-pair units or 12/13-pair units; cables with over 100 pairs are composed of 25, 50 or 100-pair units cabled together. Any extra pairs form a separate unit.

Units are identified by colour coded binders.

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(optional): A layer of aluminium tape (0.15mm) coated with PE-copolymer on one or both sides and applied longitudinally with overlap over the cable core to provide 100% electrical shielding coverage and ensures a barrier against water vapor.

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): One tinned copper drain wire may be longitudinally laid to ensure electrical continuity of the screen.

COLOUR CODE



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Standard colour code is per CW 1224 given in 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	AWG Size	Conductor Diameter	Nominal Insulation Thickness	Nominal Diameter over Insulation	Sheath Thickness (min.)	Overall Diameter (max.)	Approx. Weight
			mm	mm	mm	mm	mm	kg/km
TP1224 -02Y (L)2Y -50P05	50	24	0.5	0.15	0.8	1.6	17	320