

# Outdoor Telephone Cable

## CWI 128/1179, 0.50mm, PE Sheath

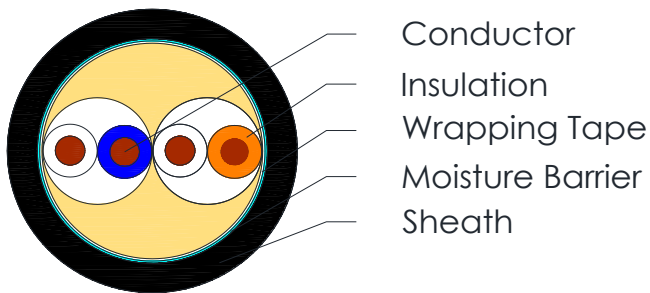


C6117, C6118, C6119, C6120, C6121, C6122

### Applications

Outdoor Telephone cable used in the local distribution network.

### Cross Section Drawing



### Design

Unit	Properties
Conductor	Solid Bare Copper wire
Insulation	Polyolefin
Twinning	Pair construction
Stranding	Pairs are stranded in units of 10
Composition of cable core	Binder color tape
Filler in Cable Core	Petroleum Jelly
Wrapping	Polyester tape
Moisture Barrier	Aluminum Foil
Sheath Material	UV Resistant Low Density Polyethylene (LDPE) Standard colour: Black
Put up Length	305m

\*Other Colors, Put Up Lengths and structures can be manufactured upon request, please contact your local B3 International sales representative.

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### Physical Characteristics

Part Number	C6117	C6118	C6119	C6120	C6121	C6122
No of pairs	2	10	20	50	100	200
Conductor Diameter (mm)	0.50					
Insulation thickness (mm)	0.30					
AL/PET/AL Tape thickness (mm)	0.04	0.20				
Nom. Radial Sheath Thickness (mm)	1.4	1.4	1.8	1.8	2.0	2.1
Nom. Overall Diameter (mm)	6.3	10.5	14.0	18.5	24.0	32.5
Operating Temperature range(°C)	-15/+70					
Min. Bend Radius (install) (mm)	95	160	210	280	360	490

### Electrical Characteristics at 20°C

Maximum Conductor Resistance (Ω/km)	Max. Conductor Resistance Unbalance (Ω/km)	Nominal Mutual Capacitance (pF/m)	Nominal Capacitance Unbalance pair to pair (pF/100m)	Dielectric Strength of Insulation between cores for 3s (KV)	Dielectric Strength of Insulation between cores & Shield for 3s (KV)
96	6.7	44	150	3.0	5

### Pair Colour Code

Pair No.	Clour	Pair No.	Clour
1	WHITE + BLUE	6	RED + BLUE
2	WHITE + ORANGE	7	RED + ORANGE
3	WHITE + GREEN	8	RED + GREEN
4	WHITE + BROWN	9	RED + BROWN
5	WHITE + GREY	10	RED + GREY

### Cable Make-Up

Group No.	Clour	Group No.	Clour
1	BLUE	6	RED
2	ORANGE	7	WHITE
3	GREEN	8	BLACK
4	BROWN	9	YELLOW
5	GREY	10	VIOLET

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**Reference Standards**

EN 50290-2
CW1128
RoHS directives