

# Outdoor Jelly Filled Multi Pair Cable

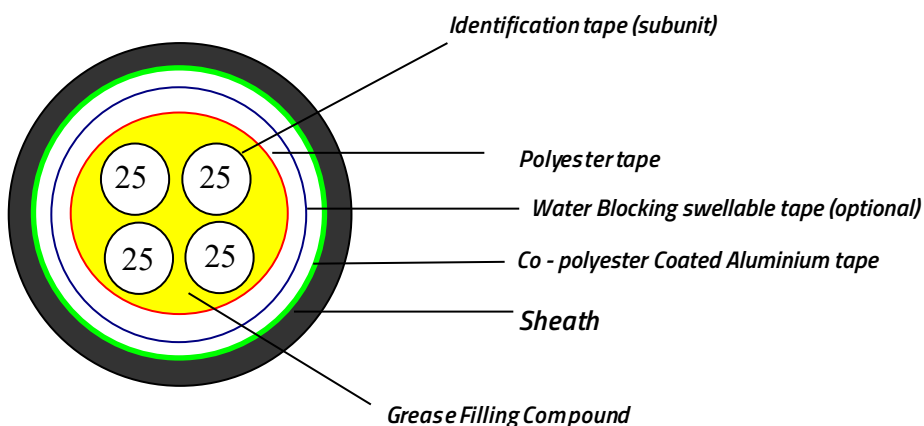
TE-100P-OUT-J - Telephone Cable - 100pair - Outdoor

## Description

24AWG Solid-Bare Copper conductor, HDPE insulation, 100 pairs, 25 pairs of basic unit, Each unit core Wrapped with single color ribbon, APL,non-corrugated Aluminium tape Moistureproof belt, Core waterblocking Grease Filling, Wrapped with one polyester tape and one Water Blocking Swellable tape,LDPE jacket

## Design

### Structure:



4 x 25

**Conductor** : 0.500mm Solid-bare copper wire (24AWG)

**Insulation** : HDPE OD:1.05mm (nom.)

**Twisting** : 2 wires twisted

**Color** :

1.White-blue	2.White-Orange	3.White-Green	4.White-brown	5.White-grey
6.Red-blue	7.Red-orange	8.Red-green	9.Red-brown	10.Red-grey
11.Black-blue	12.Black-Orange	13.Black-Green	14.Black-brown	15.Black-grey
16.Yellow-blue	17.Yellow-orange	18.Yellow-green	19.Yellow-brown	20.Yellow-grey
21.Purple-blue	22.Purple-Orange	23.Purple-Green	24.Purple-brown	25.Purple-grey

Spare pair : White Red

**Cabling** : 25 pairs of basic unit , 4\*25P

**Composition** : Each unit core Wrapped with single color ribbon  
Unit Number and Identification tape Color

Unit Number	Identification tape Color
1	White Blue
2	White Orange
3	White Green
4	White Brown

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<b>Filling</b>	: Core waterblocking Grease
<b>Wrapping</b>	: Wrapped with one polyester tape and one Water Blocking Swellable tape
<b>Moistureproof belt</b>	: Total thickness of 0.25mm APL,non-corrugated Aluminium tape
<b>Jacket</b>	: LDPE Color: Black Nom. Thickness: 1.6mm Nom. OD: 25.0mm

## Electrical Characteristics (20 °C)

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Conductor DC resistance	: $\leq 98 \text{ohm/km}$
Imbalance of Direct Current Resistance to pair	: $\leq 5.0\%$
Insulation resistance of each single insulated conductor to other conductors shield DC 500V	: $> 3000 \text{M}\Omega \cdot \text{km}$
Working Capacitance (800Hz/1KHz)	: 10 pairs $\leq 58 \text{nF/km}$ 10 pairs $\leq 57 \text{nF/km}$
Pair to pair capacitance unbalance (800Hz/1KHz)	: $\leq 250 \text{pF/km}$
Electrical Strength DC	
Sustainable Time	: 1min
Between conductor and conductor	: 1KV
Between conductor and shield	: 3KV

## Other Characteristics

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Before Aging:	
Tensile Strength (Mpa)	: $\geq 10.0$
Elongation (%)	: $\geq 350$
Aging Period ( $^{\circ}\text{C} \times \text{hrs}$ )	: $100^{\circ}\text{C} \times 24\text{h} \times 7\text{d}$ (Retention rate)
After Aging: Elongation (%)	: $\geq 300$
This cable meets RoHS requirements	