

Indoor Installation Cable

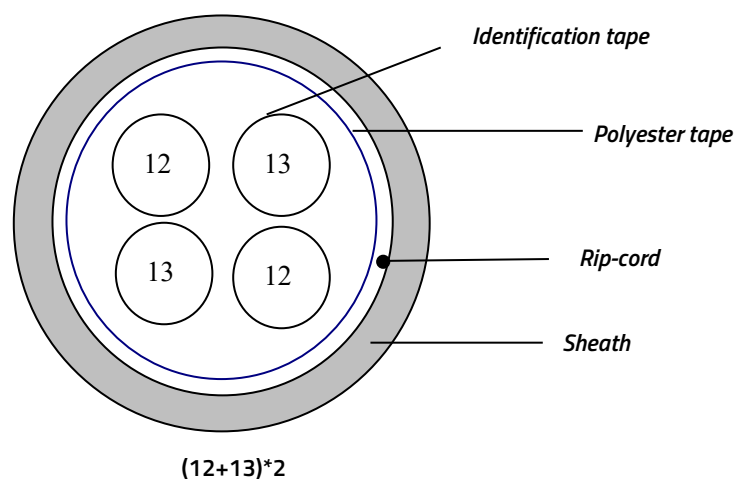
TE-50P-IN - Telephone Cable - 50 pair - Indoor

Description

24AWG Solid-Bare Copper conductor, HDPE insulation, 50 pairs, polyester tape wrapping, PVC jacket

Design

Structure:



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

Cabling : 50P, (12+13)*2

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

Unit Number	Identification tape Color
12	White Blue
13	White Blue
12	White Orange
13	White Orange

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Wrapping	: Wrapped with two polyester tape
Jacket	: PVC Nom. Thickness: 1.0mm Nom. OD: 14.2mm

Electrical Characteristics (20 °C)

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)	: $\leq 66 \text{nF/km}$
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

Before Aging:

Tensile Strength (Mpa)	: ≥ 13.5
Elongation (%)	: ≥ 150
Aging Period ($^{\circ}\text{C} \times \text{hrs}$)	: $100^{\circ}\text{C} \times 24\text{h} \times 7\text{d}$ (Retention rate)
Tensile Strength (Mpa)	: ≥ 12.5
Elongation (%)	: ≥ 125

This cable meets RoHS requirements