

# Automotive Jacketed-Unshielded Twist Pair Cable J-UTP

## ■ Characteristics

High-speed communications cable for vehicles that supports communication speeds of 100Mbps

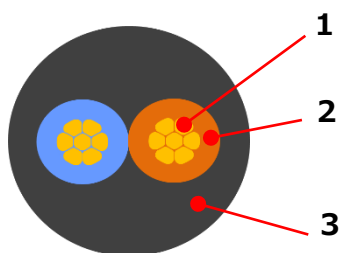
## ■ Heat resistant temperature

100°C

## ■ Compliance standard

- ISO19642-12
- IEEE 100BASE-T1 Definitions for Communication Channel

## ■ Structural specifications



1. Conductor: Circularly compressed stranded copper alloy
2. Insulation: Polypropylene
3. Sheath: Flame-retardant polypropylene

Product name	1. Conductor		
	Conductor stranding [no], shape	Cross section nom. [mm <sup>2</sup> ]	Conductor diameter nom. [mm]
HSPTJ-I	7, compressed	0.1407	0.46
HSPTJ-II	7, compressed	0.1407	0.46

2. Insulation		Twist	3. Sheath	
Wall thickness nom. [mm]	Core diameter nom. [mm]	Lay length nom. [mm]	Wall thickness nom. [mm]	Outer diameter nom. [mm]
0.20	0.86	30	0.39	2.5
0.20	0.86	30	0.74	3.2

## ■ Transmission characteristics (Typical value)

CIDM	Ω	100 ±10
IL	dB/m	0.06 (1MHz) , 0.16 (10MHz) , 0.31 (33MHz) , 0.45 (66MHz)
RL	dB	-20 (1MHz) , -20 (20MHz) , -14.8 (66MHz)
LCL/LCTL	dB	-46 (1MHz) , -46 (50MHz) , -34 (200MHz)

※ Please contact us for performance details.

※ Mean of Symbols

- HS : High Speed communication
- P : Polypropylene insulation
- T : Twist pair
- J : With Jacketed
- I : Type 1 (φ2.5mm)
- II : Type 2 (φ3.2mm)

**Yazaki Corporation**  
Contact information



<https://connect.yazaki-group.com/eng/inf/inquiry.cgi>

Note: Product specifications are subject to change without notice due to product improvements, etc. If you are considering hiring, please contact our sales department for confirmation.