



Product: [YJ72872B1](#)

Category 3-UTP 25Pair 26AWG , GB 31247 B1 Rating

### Product Description

Category 3-UTP 25Pair 26AWG , GB 31247 B1 Rating

### Technical Specifications

#### Product Overview

Suitable Applications:	Premise Backbone Cable, Ethernet 10BASE-T, Analog Phone, FAX
------------------------	--

#### Construction Details

##### Conductor

Element	Stranding	No. of Pairs
Pair(s)	Solid	25

##### Insulation

Material	Color Code
PE - Polyethylene	Western Electric

##### Outer Shield

Shield Type
No Shield

##### Outer Jacket

Material	Ripcord
LSZH - Low Smoke Zero Halogen (Flame Retardant)	Yes

Overall Cable Diameter (Nominal):	9.5 mm (0.37 in)
-----------------------------------	------------------

#### Electrical Characteristics

##### Electricals

Max. Conductor DCR	Max. Mutual Capacitance
148 Ohm/km (45.1 Ohm/1000ft)	66 pF/m (20 pF/ft)

##### High Frequency

Frequency	Max. Insertion Loss (Attenuation)	Min. NEXT [dB]	Min. SRL (Structural Return Loss) [dB]	Max./Min. Fitted Impedance
1	3.1	41	12	100 ± 15 Ohms
4 MHz	6.7	32	12	100 ± 15 Ohms
8 MHz	10.2	27	12	100 ± 15 Ohms
10 MHz	11.6	26	12	100 ± 15 Ohms
16 MHz	15.7	23	10	100 ± 15 Ohms

#### Mechanical Characteristics

##### Temperature

UL Temperature	Operating
72 V DC	-20°C to +60°C

## Bend Radius

### Installation Min.

95 mm (3.7 in)

Max. Pull Tension:	400 N (90 lbf)
Bulk Cable Weight:	125 kg/km (84.0 lbs/1000ft)

## Standards and Compliance

GB Compliance:	GB 31247
TIA/EIA Compliance:	ANSI/ TIA 568 .2 D Category 3
ISO/IEC Compliance:	IEC 11801-1
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment)

## History

Update and Revision:	Revision Number: 0.23 Revision Date: 04-29-2024
----------------------	---

## Part Numbers

### Variants

Item #	Color	Length
YJ72872B1 0101000M	Black	1,000 m
YJ72872B1 0081000M	Gray	1,000 m

© 2024 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.