Category 6 U/UTP Cable, 24AWG, low smoke zero halogen, blue jacket, 4 pair count, 305 m length Reel in box

Product Classification

Regional Availability
Asia

Portfolio
NETCONNECT®

Product Type
Twisted pair cable

General Specifications

Product Number
CS30Z1

ANSI/TIA Category
6

Cable Component Type
Horizontal

Cable Type
U/UTP (unshielded)

Conductor Type, singles
Solid

Conductors, quantity
8

Jacket Color
Blue

Pairs, quantity
4

Separator Type
Isolator

Transmission Standards
ANSI/TIA-568.2-D

Dimensions

Cable Length
304.8 m | 1000 ft

Diameter Over Insulated Conductor
0.978 mm | 0.038 in

Diameter Over Jacket, nominal
5.588 mm | 0.22 in

Conductor Gauge, singles
24 AWG

Cross Section Drawing
## Electrical Specifications

**Characteristic Impedance**  
100 ohm

**Characteristic Impedance Tolerance**  
±15 ohm

**Operating Voltage, maximum**  
80 V

**Remote Powering**  
Fully complies with the recommendations set forth by IEEE 802.3bt (Type 4) for the safe delivery of power over LAN cable when installed according to ISO/IEC 14763-2, CENELEC EN 50174-1, CENELEC EN 50174-2 or TIA TSB-184-A

## Material Specifications

**Conductor Material**  
Bare copper

**Insulation Material**  
Polyolefin

**Jacket Material**  
Low Smoke Zero Halogen (LSZH)

**Separator Material**  
Polyolefin

## Environmental Specifications

**Installation temperature**  
0 °C to +60 °C (+32 °F to +140 °F)

**Operating Temperature**  
-20 °C to +60 °C (-4 °F to +140 °F)

**Acid Gas Test Method**  
IEC 60754-2

**Environmental Space**  
Low Smoke Zero Halogen (LSZH)

**Flame Test Method**  
IEC 60332-1

**Smoke Test Method**  
IEC 61034-2
Packaging and Weights

| Packaging Type    | Reel in box |

Regulatory Compliance/Certifications

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<tr>
<th>Agency</th>
<th>Classification</th>
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<tr>
<td>CHINA-ROHS</td>
<td>Below maximum concentration value</td>
</tr>
<tr>
<td>ISO 9001:2015</td>
<td>Designed, manufactured and/or distributed under this quality management system</td>
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<tr>
<td>REACH-SVHC</td>
<td>Compliant as per SVHC revision on <a href="http://www.commscope.com/ProductCompliance">www.commscope.com/ProductCompliance</a></td>
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