Datapipe® 5EJ4 Category 5e U/UTP Cable, non-plenum, white jacket, 4 pair count, 1000 ft (305 m) length, reel

Product Classification

Regional Availability  
North America

Portfolio  
Uniprise®

Product Type  
Twisted pair cable

Product Brand  
Datapipe®

General Specifications

Product Number  
5EJ4

ANSI/TIA Category  
5e

Cable Component Type  
Cordage

Cable Type  
U/UTP (unshielded)

Conductor Type, singles  
Stranded

Conductors, quantity  
8

Jacket Color  
White

Pairs, quantity  
4

Transmission Standards  
ANSI/TIA-568.2-D  |  CENELEC EN 50288-3-1  |  ISO/IEC 11801 Class D

Dimensions

Cable Length  
304.8 m  |  1000 ft

Diameter Over Jacket, nominal  
5.486 mm  |  0.216 in

Jacket Thickness  
0.457 mm  |  0.018 in

Conductor Gauge, singles  
24 AWG

Cross Section Drawing
Electrical Specifications

Characteristic Impedance: 100 ohm

dc Resistance Unbalance, maximum: 5 %

dc Resistance, maximum:
- 9.38 ohms/100 m
- 2.859 ohms/100 ft

Dielectric Strength, minimum:
- 1500 Vac
- 2500 Vdc

Mutual Capacitance at Frequency:
- 5.6 nF/100 m @ 1 kHz

Nominal Velocity of Propagation (NVP): 69 %

Operating Frequency, maximum: 200 MHz

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

Safety Voltage Rating: 300 V

Material Specifications

Conductor Material: Tinned copper

Insulation Material: Polyolefin

Jacket Material: PVC

Mechanical Specifications

Pulling Tension, maximum:
- 11.34 kg
- 25 lb
### Environmental Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Installation temperature</td>
<td>0 °C to +60 °C (+32 °F to +140 °F)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20 °C to +60 °C (-4 °F to +140 °F)</td>
</tr>
<tr>
<td>Environmental Space</td>
<td>Non-plenum</td>
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<tr>
<td>Flame Test Method</td>
<td>CM</td>
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</tbody>
</table>

### Packaging and Weights

<table>
<thead>
<tr>
<th>Specification</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Cable weight</td>
<td>32.1 kg/km</td>
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<tr>
<td>Packaging Type</td>
<td>Reel</td>
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