CS34P ETL Verified Category 6 U/UTP Cable, plenum, blue jacket, 4 pair count, 1000 ft (305 m) length, CommPak

Product Classification

Portfolio: Uniprise®
Product Type: Twisted pair cable
Regional Availability: North America

Cross Section Drawing

Construction Materials

- **Jacket Material**: PVC
- **Conductor Material**: Bare copper
- **Insulation Material**: FEP | Polyolefin
- **Separator Material**: FEP

Dimensions

- **Cable Length**: 305 m | 1000 ft
- **Cable Weight**: 26.05 lb/ft
- **Diameter Over Jacket, nominal**: 5.461 mm | 0.215 in

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Jacket Thickness
0.533 mm | 0.021 in

Electrical Specifications

ANSI/TIA Category 6
Characteristic Impedance 100 ohm
dc Resistance Unbalance, maximum 5 %
dc Resistance, maximum 8.00 ohms/100 m
Delay Skew, maximum 45 ns
Mutual Capacitance 5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP) 75 %
Operating Frequency, maximum 250 MHz
Operating Voltage, maximum 80 V
Transmission Standards ANSI/TIA-568-C.2 | CENELEC EN 50288-6-1 | ISO/IEC 11801 Class E
Safety Voltage Rating 300 V
Dielectric Strength, minimum 1500 Vac | 2500 Vdc

Note
All electrical transmission tests include swept frequency measurements

Environmental Specifications

Environmental Space Plenum
Smoke Test Method CMP
Flame Test Method CMP | NEC Article 800 | NFPA 262 | UL 444 | UL 910
Installation Temperature 0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature -20 °C to +60 °C (-4 °F to +140 °F)

General Specifications

Cable Type U/UTP (unshielded)
Packaging Type CommPak® box
Pairs, quantity 4
Cable Component Type Horizontal
Jacket Color Blue
Product Number CS34P
Conductor Gauge, singles 23 AWG
Conductor Type, singles Solid
Conductors, quantity 8
Separator Type Tape separator

Mechanical Specifications

Pulling Tension, maximum 11 kg | 25 lb
## Regulatory Compliance/Certifications

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![RoHS and ISO 9001 logos]
### Electrical Performance

**CS**
CommScope

**Std**
Refers to the standard value listed under Transmission Standards in the Electrical Specifications above

**Typ**
Typical

**IL**
Insertion Loss (dB/100m)

**NEXT**
Near End Crosstalk (dB/100m)

**ACR**
Attenuation to Crosstalk Ratio (dB/100m)

**PSNEXT**
Power Sum Near End Crosstalk (dB/100m)

**PSACR**
Power Sum Attenuation to Crosstalk Ratio (dB/100m)

**ACRF**
Attenuation to Crosstalk Ratio - Far End (dB/100m)

**PSACRF**
Power Sum Attenuation to Crosstalk Ratio – Far End (dB/100m)

**RL**
Return Loss (dB)

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