

CS34P-IO Indoor/Outdoor Category 6 U/UTP Cable, plenum, outdoor rated, blue jacket, 4 pair count, 1000 ft (305 m) length reel



- Cable carries a Red-List Free designation
- Red-List supports the ILFI's Living Building Challenge program
- Critical for sustainable building programs like LEED

Product Classification

Regional Availability	Asia Australia/New Zealand EMEA Latin America North America
Portfolio	CommScope®
Product Type	Twisted pair cable

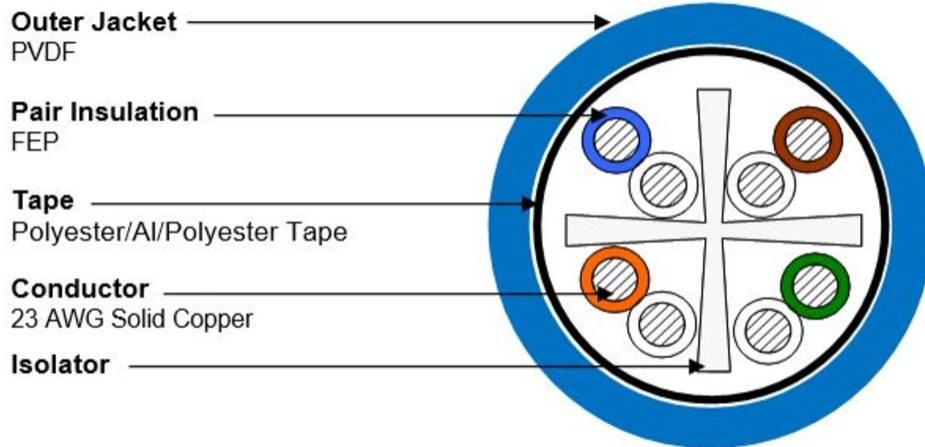
General Specifications

Product Number	CS34P-IO
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 Conductor	1.115 mm 0.044 in
Diameter Over Jacket, nominal	6.756 mm 0.266 in
Jacket Thickness	0.457 mm 0.018 in
Conductor Gauge, singles	23 AWG

Cross Section Drawing



Electrical Specifications

dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	8 ohms/100 m 2.438 ohms/100 ft
Delay Skew, maximum	45 ns
Dielectric Strength, minimum	1500 Vac 2500 Vdc
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	70 %
Operating Frequency, maximum	250 MHz
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	Bare copper
Insulation Material	FEP
Jacket Material	PVDF
Separator Material	FEP
Tape Material	Poly/Aluminum/Poly

Mechanical Specifications

Pulling Tension, maximum 11.34 kg | 25 lb

Environmental Specifications

Installation temperature -25 °C to +75 °C (-13 °F to +167 °F)

Operating Temperature -40 °C to +75 °C (-40 °F to +167 °F)

EN50575 CPR Cable EuroClass Fire Performance No Rating

Environmental Note Cable is not suitable for direct burial applications | Cable jacket must remain unabraded to avoid water ingress | Water must not be allowed to ingress into the cable ends

Environmental Space Indoor/Outdoor | Plenum

Flame Test Method CMP/FT6 | NEC Article 800 | NFPA 262 | UL 444 | UL 910

Smoke Test Method CMP/FT6 | CMX Outdoor Sunlight Resistant

Packaging and Weights

Cable weight 42.859 kg/km | 28.8 lb/kft

Packaging Type Reel