CS44Z1 Cable, category 6A, 4 pair, F/UTP, LSZH, 23 AWG, 500 m reel, blue

Product Classification

Regional Availability
Asia | Australia/New Zealand | Latin America

Portfolio
NETCONNECT®

Product Type
Twisted pair cable

Product Series
640 Series

General Specifications

Product Number
640Z

ANSI/TIA Category
6A

Cable Component Type
Horizontal

Cable Type
F/UTP (shielded)

Conductor Type, singles
Solid

Conductors, quantity
8

Jacket Color
Blue

Pairs, quantity
4

Transmission Standards
ANSI/TIA-568.2-D | CENELEC EN 50288-6-1 | ISO/IEC 11801 Class EA

Dimensions

Cable Length
500 m | 1,640.42 ft

Diameter Over Jacket, nominal
7.188 mm | 0.283 in

Conductor Gauge, singles
23 AWG

Cross Section Drawing
Electrical Specifications

Characteristic Impedance 100 ohm
Characteristic Impedance Tolerance ±15 ohm
dc Resistance, maximum 6.66 ohms/100 m | 2.03 ohms/100 ft
Delay Skew, maximum 45 ns
Mutual Capacitance at Frequency 5.6 nF/100 m @ 500 MHz
Nominal Velocity of Propagation (NVP) 64 %
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)
Shield (Tape) Material Aluminum/Polyester

Mechanical Specifications

Minimum Bend Radius, multiple Bends 28.8 mm | 1.134 in

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

Acid Gas Test Method
IEC 60754-2

Flame Test Method
IEC 60332-1

Smoke Test Method
IEC 61034-2

Packaging and Weights

Cable weight
60.107 kg/km  |  40.39 lb/kft

Packaging Type
Reel