# 1859218-1 | CS44Z1 BLK C6A 4/23 F/UTP RL 305M



CS44Z1 Cable, category 6A, 4 pair, F/UTP, LSZH, 23 AWG, 1000 ft reel, black

#### **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, singlesSolidConductors, quantity8Jacket ColorBlackPairs, quantity4

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

**Dimensions** 

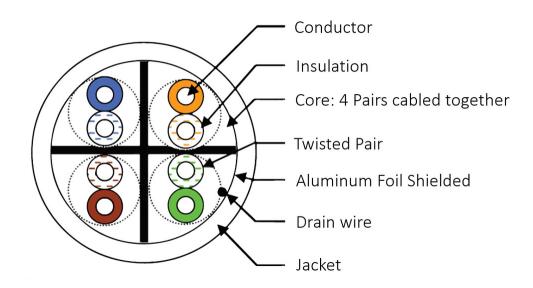
Cable Length304.8 m | 1000 ftDiameter Over Insulated Conductor1.14 mm | 0.045 inDiameter Over Jacket, nominal7.188 mm | 0.283 in

Conductor Gauge, singles 23 AWG

Cross Section Drawing



# 1859218-1 | CS44Z1 BLK C6A 4/23 F/UTP RL 305M



### **Electrical Specifications**

Characteristic Impedance100 ohmCharacteristic Impedance Tolerance±15 ohm

dc Resistance, maximum 7.8 ohms/100 m | 2.377 ohms/100 ft

**Delay Skew, maximum** 45 ns

**Mutual Capacitance at Frequency** 5.6 nF/100 m @ 500 MHz

Nominal Velocity of Propagation (NVP)  $$69\,\%$$  Operating Voltage, maximum  $$80\,\lor$$ 

**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

Segregation Class c

Material Specifications

Conductor MaterialBare copperInsulation MaterialPolyolefin

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

**COMMSCOPE®** 

# 1859218-1 | CS44Z1 BLK C6A 4/23 F/UTP RL 305M

### **Environmental Specifications**

**Operating Temperature**  $-20 \,^{\circ}\text{C} \text{ to } +75 \,^{\circ}\text{C} \left(-4 \,^{\circ}\text{F to } +167 \,^{\circ}\text{F}\right)$ 

Acid Gas Test Method IEC 60754-2

EN50575 CPR Cable EuroClass Fire Performance No Rating

**Temperature Rating, UL** 75 °C | 167 °F

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

### Regulatory Compliance/Certifications

Agency Classification

CHINA-ROHS Below maximum concentration value

ROHS Compliant UK-ROHS Compliant

