

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

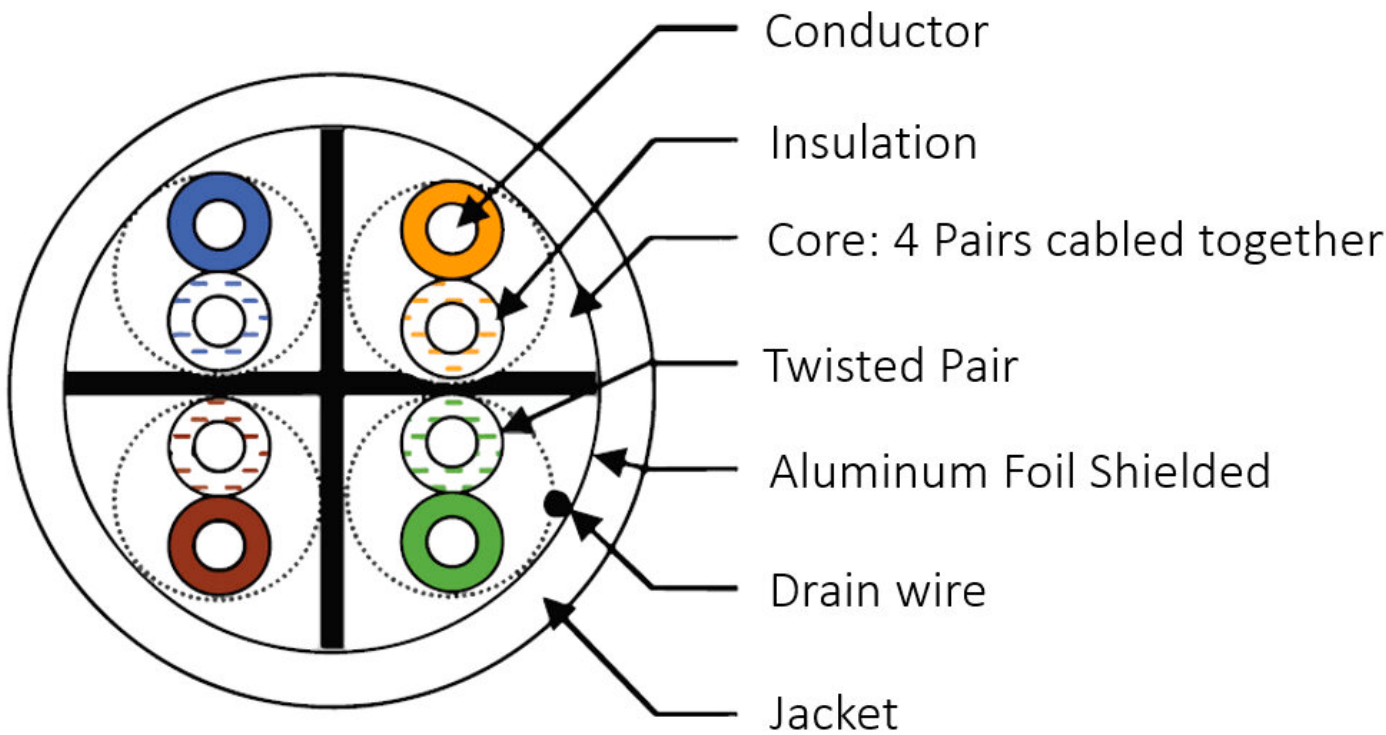
General Specifications

Product Number	640Z
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	F/UTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Black
Pairs, quantity	4
Transmission Standards	ANSI/TIA-568.2-D CENELEC EN 50288-6-1 ISO/IEC 11801 Class EA

Dimensions

Cable Length	304.8 m 1000 ft
Diameter Over Insulated Conductor	1.14 mm 0.0449 in
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	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 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
Segregation Class	c

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
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Environmental Specifications

Operating Temperature	-20 °C to +75 °C (-4 °F to +167 °F)
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
RCM	Compliant to electrical safety & telecommunications requirements
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant

UK-ROHS



Compliant

