



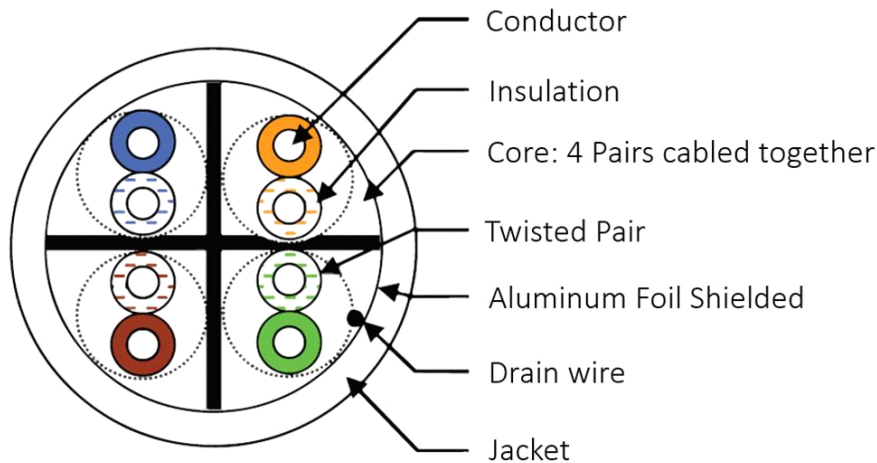
1859218-2 | TE640Z1F-WTM2-AP

640 Series Copper Cable, category 6A, 4 pair, F/UTP, LSZH, 23 AWG, 1000 ft reel, white

Product Classification

Portfolio	NETCONNECT®
Product Series	640 Series
Product Type	Twisted pair cable
Regional Availability	Asia Australia/New Zealand Latin America

Cross Section Drawing



Construction Materials

Jacket Material	Low Smoke Zero Halogen (LSZH)
Conductor Material	Bare copper
Insulation Material	Polyolefin
Shield (Tape) Material	Aluminum/Polyester

Dimensions

Cable Length	305 m 1000 ft
Cable Weight	60.10 kg/km
Diameter Over Jacket	7.200 mm 0.283 in

Electrical Specifications

ANSI/TIA Category	6A
Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
dc Resistance, maximum	66.58 ohms/km
Delay Skew, maximum	45 ns
Mutual Capacitance	5.6 nF/100 m @ 500 MHz
Nominal Velocity of Propagation (NVP)	72 %
Operating Voltage, maximum	300 Vac
Transmission Standards	ANSI/TIA-568-C.2 CENELEC EN 50288-6-1 ISO/IEC 11801 Class E

Environmental Specifications

Acid Gas Test Method	IEC 60754-2
Flame Test Method	IEC 60332-1
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
Safety Standard	ETL UL

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General Specifications

Cable Type	F/UTP (shielded)
Packaging Type	Reel
Pairs, quantity	4
Cable Component Type	Horizontal
Jacket Color	White
Product Number	640Z
Brand	NETCONNECT®
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8

Mechanical Specifications

Minimum Bend Radius, multiple bends 28.80 mm | 1.13 in

Regulatory Compliance/Certifications

Agency
RoHS 2011/65/EU

Classification
Compliant