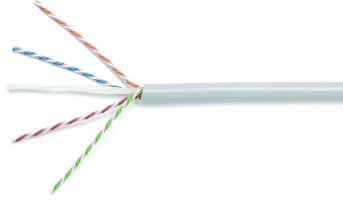# UTG760250789 | 1091B-UTG WHT C6A 4/23 U /UTP W1000

GigaSPEED X10D® 1091B-UTG ETL Verified Category 6A U/UTP Cable, white jacket, 4 pair count, 1000 ft (305 m) length, WE TOTE® box

Product Classification

Regional Availability	Asia	Australia/New Zealand	Latin America	North America
Portfolio	SYSTIMAX®
Product Type	Twisted pair cable
Product Brand	GigaSPEED X10D®

General Specifications

Product Number	1091B-UTG
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	White
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D	ISO/IEC 11801 Class EA	UTG-20

Dimensions

Cable Length	304.8 m	1000 ft
Diameter Over Insulated Conductor	0.864 mm	0.034 in
Diameter Over Jacket, nominal	7.239 mm	0.285 in
Jacket Thickness	1.295 mm	0.051 in
Conductor Gauge, singles	23 AWG

Cross Section Drawing

COMMSCOPE®
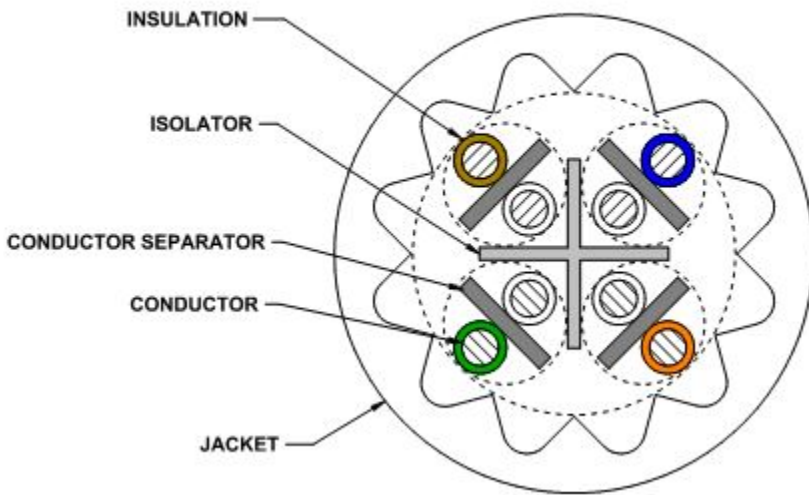
Electrical Specifications

Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	7.61 ohms/100 m	2.32 ohms/100 ft
Dielectric Strength, minimum	1500 Vac	2500 Vdc
LP (Limited Power) Rating	0.5 A
Mutual Capacitance at Frequency	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	65 %
Operating Frequency, maximum	550 MHz
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	PVC
Separator Material	Polyolefin
Separator 2 Material	Polyolefin

COMMSCOPE®

UTG760250789 | 1091B-UTG WHT C6A 4/23 U /UTP W1000

Mechanical Specifications

Pulling Tension, maximum   11.34 kg | 25 lb

Environmental Specifications

Installation temperature   0 °C to +60 °C (+32 °F to +140 °F)

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

Environmental Space   Non-plenum

Temperature Rating, UL   90 °C | 194 °F

Flame Test Method   CMR

Packaging and Weights

Cable weight   55.509 kg/km | 37.3 lb/kft

Packaging Type   WE TOTE® box

Regulatory Compliance/Certifications

Agency	Classification
CHINA-ROHS	Below maximum concentration value
REACH-SVHC	Compliant as per SVHC revision on www.commscope.com/ProductCompliance
ROHS	Compliant
UK-ROHS	Compliant

COMMSCOPE®