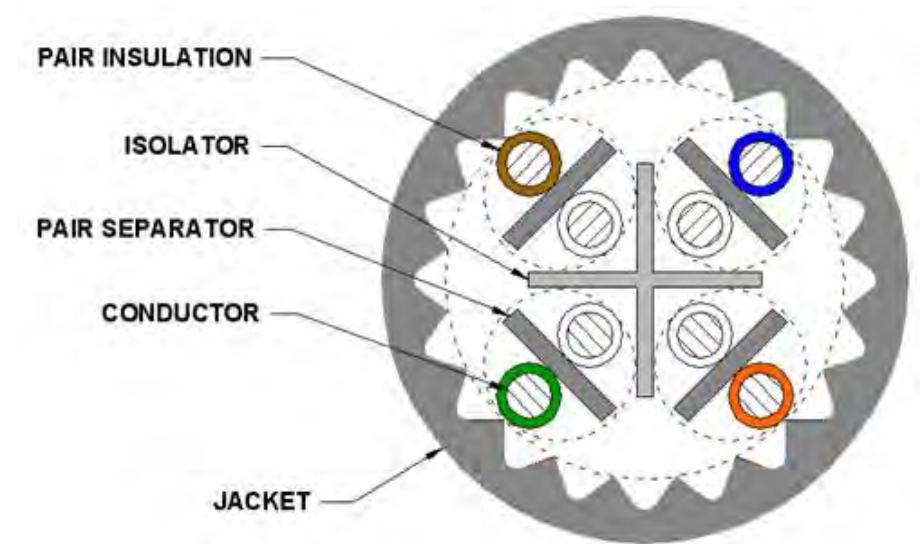# Product Specifications

COMMSCOPE®

760142554 | 1088B SL 4/23 R3000

GigaSPEED Xpress® 1088B ETL Verified Category 6 U/UTP Cable, non-plenum, slate jacket, 4 pair count, 3000 ft (914 m) length, reel

Cross Section Drawing

Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Insulation Material	Polyolefin
Separator Material	Polyolefin
Separator 2 Material	Polyolefin

Dimensions

Cable Length	914 m	3000 ft
Cable Length Tolerance	±5%
Cable Weight	28.50 lb/kft
Diameter Over Jacket	6.223 mm	0.245 in
Jacket Thickness	0.762 mm	0.030 in

Electrical Specifications

ANSI/TIA Category	6
dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	8.00 ohms/100 m
Mutual Capacitance	6.0 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	65 %
Operating Frequency, maximum	500 MHz

Product Specifications

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POWERED BY **SYSTIMAX®**

Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2	ANSI/TIA/EIA-TSB-155 (up to 60 m)	CENELEC EN 50288-6-1	ISO/IEC 11801 Class E
Dielectric Strength, minimum	1500 Vac	2500 Vdc

Environmental Specifications

Environmental Space	Non-plenum
Flame Test Method	CMR
Installation Temperature	0 °C to +60 °C (+32 °F to +140 °F)
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)
UL Temperature Rating	75 °C	167 °F

General Specifications

Cable Type	U/UTP (unshielded)
Pairs, quantity	4
Cable Component Type	Horizontal
Brand	GigaSPEED Xpress®	SYSTIMAX®
Jacket Color	Slate
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Separator Type	Isolator
Packaging Type	Reel
Product Number	1088B

Mechanical Specifications

Pulling Tension, maximum	11 kg	25 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

RoHS COMPLIANT