COMMSCOPE®

SYSTIMAX® 71E Series GigaSPEED® XL Cable

Transmits reliable voice, data and video with excellent quality of service

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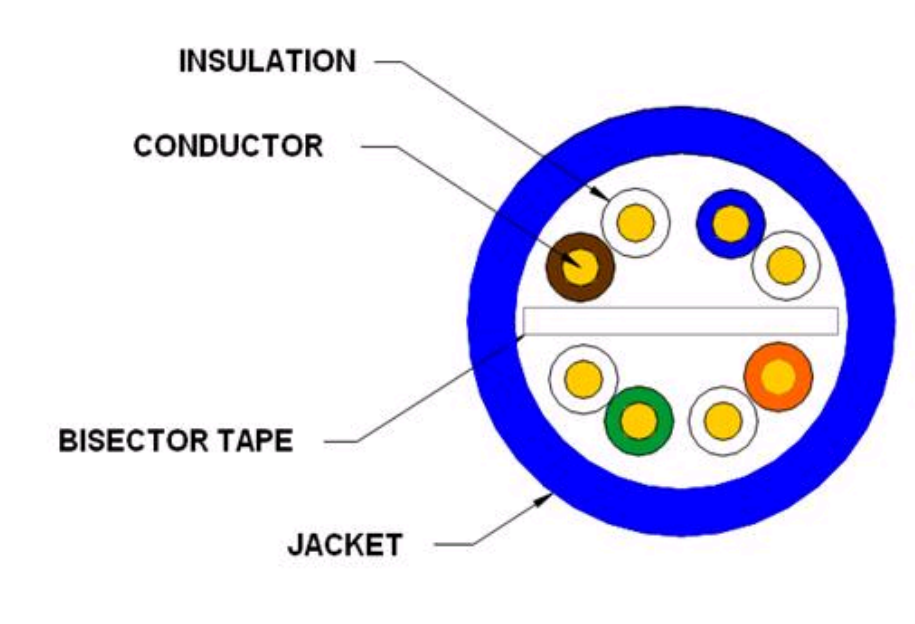
The 71E series GigaSPEED XL family of unshielded twisted pair cables includes the 1071E non-plenum, 2071E plenum, and 3071E low smoke zero-halogen (LSZH) cables. These cables feature bi-sector tape that delivers the performance benefits of more traditional fluted center members, without the associated stiffness and size. Combine this with the GigaSPEED XL apparatus, for the ultimate in cabling system performance.

- 4-pair U/UTP construction with patented bi-sector separator tape provides the added performance margin required to support high bandwidth applications at an economical price
- Can support network line speeds in excess of 1 gigabit per second
- Qualifies for a 20-year product and applications assurance warranty when included as part of a certified SYSTIMAX GigaSPEED XL channel

Product Specifications

700211931 | 1071E SL 4/23 W1000

GigaSPEED® XL 1071E ETL Verified Category 6 U/UTP Cable, non-plenum, slate jacket, 4 pair count, 1000 ft (305 m) length, WE TOTE® box

Cross Section Drawing

Construction Materials

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

Dimensions

Cable Length	305 m	1000 ft
Cable Weight	25.60 lb/kft
Diameter Over Jacket	5.893 mm	0.232 in
Jacket Thickness	0.559 mm	0.022 in

Electrical Specifications

ANSI/TIA Category	6
dc Resistance Unbalance, maximum	5 %
dc Resistance, maximum	7.61 ohms/100 m
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	69 %

Product Specifications

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Operating Frequency, maximum	300 MHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2	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	CMG	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)

General Specifications

Brand	GigaSPEED® XL	SYSTIMAX®
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Pairs, quantity	4
Jacket Color	Slate
Conductor Gauge, singles	23 AWG
Conductor Type, singles	Solid
Conductors, quantity	8
Ordering Note	Not available in Europe, the Middle East, or Africa
Separator Type	Bisector
Packaging Type	WE TOTE® box
Product Number	1071E

Mechanical Specifications

Pulling Tension, maximum	11 kg	25 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2002/95/EC	Compliant
ISO 9001:2008	Designed, manufactured and/or distributed under this quality management system

RoHS COMPLIANT