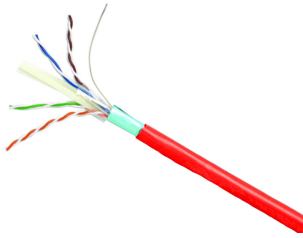# 760161646 | 1291B RED C6A 4/23 F/UTP R1000

GigaSPEED X10D® 1291B ETL Verified Category 6A F/UTP Cable, non-plenum, red jacket, 4 pair count, 1000 ft (305 m) length, reel

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	1291B
ANSI/TIA Category	6A
Cable Component Type	Horizontal
Cable Type	F/UTP (shielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Drain Wire Type	Solid
Jacket Color	Red
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D

Dimensions

Cable Length	304.8 m	1000 ft
Diameter Over Jacket, nominal	7.518 mm	0.296 in
Jacket Thickness	0.508 mm	0.02 in
Conductor Gauge, singles	23 AWG
Drain Wire Gauge	26 AWG

Cross Section Drawing

COMMSCOPE®

760161646 | 1291B RED C6A 4/23 F/UTP R1000

Outer Jacket

Insulation

Separator

Conductor

Core Wrap

Shield

Drain Wire
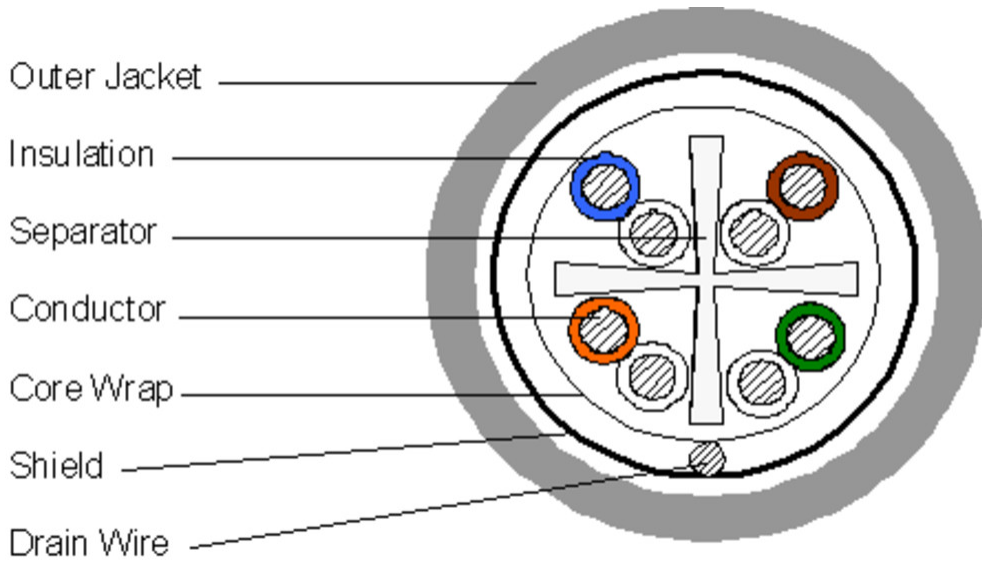
Electrical Specifications

dc Resistance Unbalance, maximum	4 %
dc Resistance, maximum	8 ohms/100 m	2.438 ohms/100 ft
Dielectric Strength, minimum	1500 Vac	2500 Vdc
LP (Limited Power) Rating	0.5 A
Mutual Capacitance at Frequency	5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP)	68 %
Operating Frequency, maximum	500 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
Drain Wire Material	Tinned copper
Insulation Material	Polyolefin
Jacket Material	PVC
Separator Material	Polyolefin
Shield (Tape) Material	Polyester/Aluminum shield

COMMSCOPE®

760161646 | 1291B RED C6A 4/23 F/UTP R1000

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

Flame Test Method   CMR

Packaging and Weights

Cable weight   52.086 kg/km | 35 lb/kft

Packaging Type   Reel

Regulatory Compliance/Certifications

Agency	Classification
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system

COMMSCOPE®