

Category 6 F/UTP 3271B Cable, low smoke zero halogen, white jacket, 4 pair count, 1000 ft (305 m) length, reel

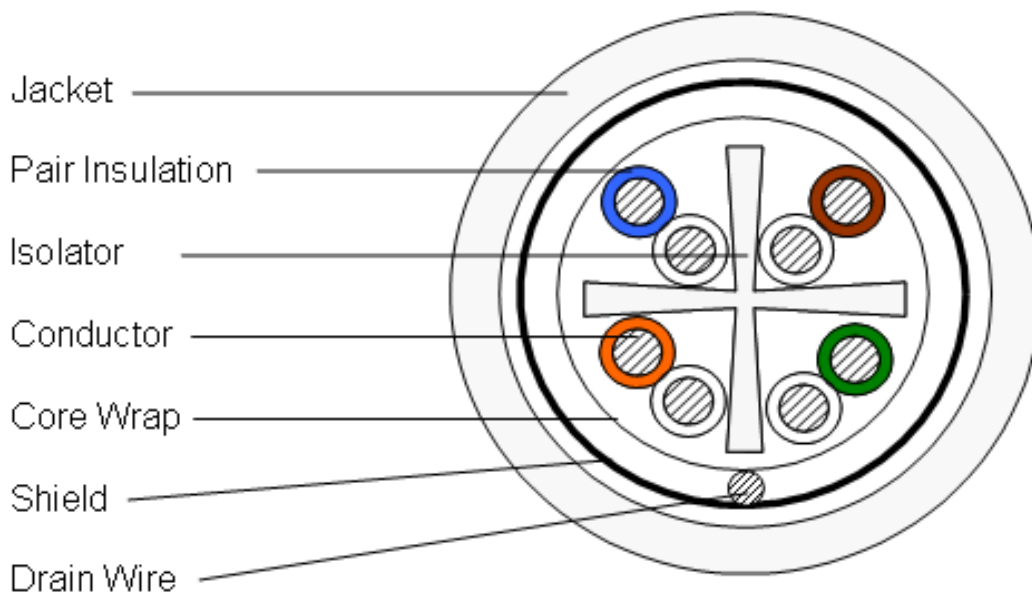
Product Classification

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

Standards And Qualifications

EN50575 CPR Cable EuroClass	Dca s2 d2 a1
------------------------------------	--------------------

Cross Section Drawing



Construction Materials

Jacket Material	Low Smoke Zero Halogen (LSZH)
Conductor Material	Bare copper
Drain Wire Material	Tinned copper
Insulation Material	Polyolefin
Separator Material	Polyolefin

Shield (Tape) Material Aluminum/Poly

Dimensions

Cable Length 305 m | 1000 ft
Cable Weight 34.00 lb/kft
Diameter Over Jacket, nominal 7.214 mm | 0.284 in
Jacket Thickness 0.483 mm | 0.019 in

Electrical Specifications

ANSI/TIA Category 6
dc Resistance Unbalance, maximum 5 %
dc Resistance, maximum 9.38 ohms/100 m
Mutual Capacitance at Frequency 5.6 nF/100 m @ 1 kHz
Nominal Velocity of Propagation (NVP) 68 %
Operating Frequency, maximum 250 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 Low Smoke Zero Halogen (LSZH)
Smoke Test Method IEC 61034-2
Acid Gas Test Method IEC 60754-2
Flame Test Method IEC 60332-3-22
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

Cable Type F/UTP (shielded)
Packaging Type Reel
Pairs, quantity 4
Cable Component Type Horizontal
Jacket Color White
Product Number 3271B
Conductor Gauge, singles 23 AWG
Conductor Type, singles Solid
Conductors, quantity 8
Drain Wire Gauge 24 AWG
Drain Wire Type Solid

Separator Type Isolator

Mechanical Specifications

Pulling Tension, maximum 11 kg | 25 lb

Regulatory Compliance/Certifications

Agency	Classification
RoHS 2011/65/EU	Compliant
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system
CENELEC	EN 50575 compliant, Declaration of Performance (DoP) available

