



310 Series Copper Cable, category 3, 100 pair, U/UTP Cable, CMR rated, 1000 m, gray

- Exceptional 100-Ohm series cables for both analog and digital services
- Meets or exceeds industry requirements and environmental regulations
- Small outside diameter and cross-sectional area in bundles and cable
- Innovative design and enhanced electrical and mechanical performance

Product Classification

Portfolio	NETCONNECT®
Product Series	310 Series
Product Type	Twisted pair cable
Regional Availability	Asia

Construction Materials

Jacket Material	PVC
Conductor Material	Bare copper
Insulation Material	Polyolefin

Dimensions

Cable Length	1000 m 3281 ft
Diameter Over Jacket, nominal	20.000 mm 0.787 in

Electrical Specifications

ANSI/TIA Category	3
Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
dc Resistance, maximum	9.38 ohms/100 m
Mutual Capacitance	5.6 nF/100 m @ 1 kHz
Operating Voltage, maximum	80 V
Transmission Standards	ANSI/TIA-568-C.2 CENELEC EN 50288-6-1 ISO/IEC 11801 Class E

Environmental Specifications

Flame Test Method	NEC Article 800 UL 444
Operating Temperature	-20 °C to +60 °C (-4 °F to +140 °F)

General Specifications

Cable Type	U/UTP (unshielded)
Packaging Type	Reel

Pairs, quantity	100
Cable Component Type	Horizontal
Jacket Color	Gray
Conductor Gauge, singles	24 AWG
Conductor Type, singles	Solid
Conductors, quantity	200

Mechanical Specifications

Minimum Bend Radius, multiple bends 80.00 mm | 3.15 in

Regulatory Compliance/Certifications

Agency
RoHS 2011/65/EU

Classification
Compliant

