1427070-4 | CS30Z1 GRY C6 4/24 U/UTP RIB 305M



Category 6 U/UTP Cable, 24AWG, low smoke zero halogen, gray jacket, 4 pair count, 305 m length Reel in box

Product Classification

Regional Availability	Asia Latin America
Portfolio	NETCONNECT®
Product Type	Twisted pair cable
General Specifications	
Product Number	CS30Z1
ANSI/TIA Category	6
Cable Component Type	Horizontal
Cable Type	U/UTP (unshielded)
Conductor Type, singles	Solid
Conductors, quantity	8
Jacket Color	Gray
Pairs, quantity	4
Separator Type	Isolator
Transmission Standards	ANSI/TIA-568.2-D
Dimensions	
Cable Length	304.8 m 1000 ft
Diameter Over Insulated Conductor	0.978 mm 0.038 in
Diameter Over Jacket, nominal	5.588 mm 0.22 in

Cross Section Drawing

Conductor Gauge, singles

Page 1 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 1, 2025

24 AWG



1427070-4 | CS30Z1 GRY C6 4/24 U/UTP RIB 305M

Jacket	
Pair Insulation ———	
Isolator —	
Conductor	+ 0

Electrical Specifications

Characteristic Impedance	100 ohm
Characteristic Impedance Tolerance	±15 ohm
Nominal Velocity of Propagation (NVP)	68 %
Operating Voltage, maximum	80 V
Remote Powering	Fully complies with the re safe delivery of power ov

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
Insulation Material	Polyolefin
Jacket Material	Low Smoke Zero Halogen (LSZH)
Separator Material	Polyolefin

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)
Acid Gas Test Method	IEC 60754-2
Environmental Space	Low Smoke Zero Halogen (LSZH)
Flame Test Method	IEC 60332-1

Page 2 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 1, 2025



1427070-4 | CS30Z1 GRY C6 4/24 U/UTP RIB 305M

Smoke Test Method

IEC 61034-2

Packaging and Weights

Packaging Type

Reel in box

Page 3 of 3

©2025 CommScope, Inc. All rights reserved. CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see https://www.commscope.com/trademarks. All product names, trademarks and registered trademarks are property of their respective owners. Revised: April 1, 2025

