Belden

Product: DEIP168U

Indoor Digital Electricity Copper Cable, #16-8pr, TC, LS-PVC, CL4P, CMP, LS-PVC Jkt

Product Description

Indoor Digital Electricity Copper Cable, 8-16 AWG Stranded (19x29) Tinned Copper Pairs with Flamarrest® insulation, Plenum-CL4P, CMP, Flamarrest® Jacket with Ripcord

Technical Specifications

Product Overview

Suitable Applications:	Digital Electricity™, Fault Managed Power Systems (FMPS), remote powering, indoor

Construction Details

Conductor

Size	Stranding	Material
16	19x29	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Color Code
PVC - Polyvinyl Chloride	0.011 in (0.28 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	0.479 in (12.2 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
4.3 Ohm/1000ft	30 pF/ft (98 pF/m)	5.5 Amps per Conductor at 25ºC (35°C Temperature Rise)

Voltage

UL Voltage Rating
450 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C To +75°C

Max. Pull Tension:	485 lbs (220 kg)
Bulk Cable Weight:	159 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262, FT6
NEC / UL Compliance:	Article 800, CL4P, CL3P
CEC / C(UL) Compliance:	CMP
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.130 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Length
DEIP168U	Apple Green	2,000 ft

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