Belden



Product: DEDN162U

Indoor/Outdoor Digital Electricity™, 2 Pr #16 Str, TC, PVC, CL4, CMG, PVC Jkt, Wet Locations

Product Description

Indoor/Outdoor Digital Electricity™ Copper Cable, 2 Twisted Pair 16 AWG (7x24) Stranded Tinned Copper, Unshielded, PVC Insulation, PVC Jacket, CL4, CMG

Technical Specifications

Product Overview

Suitable Applications:	Digital Electricity™, Fault Managed Power Systems (FMPS), remote powering, wet locations, in-conduit

Construction Details

Conductor

Size	Stranding	Material
16	7x24	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Color Code
PVC - Polyvinyl Chloride	0.017 in (0.43 mm)	Black & Red, Black & White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.040 in (1.0 mm)	0.409 in (10.4 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
4.55 Ohm/1000ft	24.5 pF/ft (80.4 pF/m)	8.75 Amps per Conductor at 25ºC (35°C Temperature Rise)

Voltage

UL Voltage Rating
450 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
105°C	-30°C To +105°C

Max. Pull Tension:	143 lbs (64.9 kg)
Bulk Cable Weight:	70 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4
NEC / UL Compliance:	Article 725, Article 800, CL4, CL3, CMG
AWM Compliance:	AWM 2464
CEC / C(UL) Compliance:	CMG

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), REACH: 2019-05-14
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.175 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Length
DEDN162U	Black	2,000 ft

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