



Product: [DEDN164U](#)

Indoor/Outdoor Digital Electricity Copper Cable, #16-4pr, TC, PVC, CMG, PVC Jkt

Product Description

Indoor/Outdoor Digital Electricity Copper Cable, 4-16 AWG Stranded (7x24) Tinned Copper Pairs, Unshielded, PVC Insulation, PVC Jacket

Technical Specifications

Product Overview

Suitable Applications:	Digital Electricity™, remote powering, wet locations, in-conduit
------------------------	--

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
16	7x24	TC - Tinned Copper	4

Conductor Count:	16
Total Number of Pairs:	4

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.017 in

Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.478 in	0.040 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.55 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
24.5 pF/ft

Current

Max. Recommended Current [A]
7.5 Amps per Conductor at 25°C (35°C Temperature Rise)

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

UL Temp Rating:	105°C
Operating Temperature Range:	-30°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	118 lbs/1000ft
Max. Pull Tension:	285 lbs
Min. Bend Radius/Minor Axis:	4.78 in

Standards

NEC Articles:	Article 725, Article 800
NEC/(UL) Compliance:	CL3, CMG
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	AWM 2464

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU REACH SVHC Compliance (yyyy-mm-dd):	2019-05-14

Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT4
UL Flammability:	UL 1685 FT4 Loading
IEEE Flammability:	1202

Related Part Numbers

Variants

Item #	Color	Length
DEDN164U	Black	2,000 ft

History

Update and Revision:	Revision Number: 0.65 Revision Date: 11-09-2022
----------------------	---

© 2023 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.