



**Product:** [DEDN142U](#)

Indoor/Outdoor Digital Electricity™, 2 Pr #14 Str TC, PVC Jkt, CL4, CL3, Wet Locations

### Product Description

Indoor/Outdoor Digital Electricity™ Copper Cable, 2 Twisted Pair 14 AWG (19 x 27) Stranded Tinned Copper, PVC Insulation, Black PVC Jacket, Ripcord, CL4, CL3, Wet Locations, 2000 Ft Reel

### Technical Specifications

#### Product Overview

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

##### Conductor

AWG	Stranding	Material	No. of Pairs
14	19x27	TC - Tinned Copper	2

Total Number of Pairs:	2
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##### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.022 in

##### Color Chart

Number	Color
1	Black & Red
2	Black & White

##### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.512 in	0.040 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
2.5 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor
25.5 pF/ft

##### Current

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

##### Voltage

UL Voltage Rating
450 V RMS

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	105 lbs/1000ft
Max. Pull Tension:	190 lbs
Min. Bend Radius/Minor Axis:	5.125 in

## Standards

NEC Articles:	Article 725
NEC/(UL) Compliance:	CL4, CL3
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):	2020-01-27

## Suitability

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

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL 1685 Vertical Tray
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## Related Part Numbers

### Variants

Item #	Color	Length
DEDN142U	Black	2,000 ft

## History

Update and Revision:	Revision Number: 0.47 Revision Date: 04-24-2023
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