



Product: [DEDN142U](#)

Digital Electricity™, 2 Pr #14 Str TC, PVC Jkt, CL3, Wet Locations

Product Description

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

Technical Specifications

Product Overview

Suitable Applications:	Indoor/Outdoor, Digital Electricity™, 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

Insulation	
Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.022 in

Color Chart	
Number	Color
1	Black & Red
2	Black & White

Outer Jacket Material		
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	
300 V RMS	

Temperature Range

UL Temp Rating:	105°C
Operating Temp 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:	CL3
UL AWM Style Compliance:	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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU REACH SVHC Compliance (yyyy-mm-dd):	2020-01-27
EU RoHS Compliance Date (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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Part Number

Variants

Item #	Color	Length
DEDN142U	Black	2,000 ft

History

Update and Revision:	Revision Number: 0.19 Revision Date: 09-22-2020
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