Product: DEDN144F



Indoor/Outdoor Digital Electricity™, 4 Pr #14 Str TC, O/A Foil, PVC Jkt, CL4, CL3, Wet Locations

Product Description

Indoor/Outdoor Digital Electricity™ Copper Cable, 4 Twisted Pair 14 AWG (19 x 27) Stranded Tinned Copper, PVC Insulation, Overall foil shield, 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
14	19x27	TC - Tinned Copper	4

Total Number of Pairs:	4

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.022 in

Color Chart

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

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	16

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.605 in	0.040 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.5 Ohm/1000ft	3.75 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
33.75 pF/ft	60.5 pF/ft

Current

Max. Recommended Current [A]

9.7 Amps per Conductor at 25ºC (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:	191 lbs/1000ft
Max. Pull Tension:	380 lbs
Min. Bend Radius/Minor Axis:	6 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):	2020-02-03

Suitability

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

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL 1685 Vertical Tray

Related Part Numbers

Variants

Item #	Color	Length
DEDN144F	Black	2,000 ft

History

Update and Revision:	Revision Number: 0.51 Revision Date: 12-22-2023

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