Belden



Product: DEDN148F

Indoor/Outdoor Digital Electricity™, 8 Pr #14 Str TC, O/A Foil, PVC Jkt, CL4, CL3, Wet Locations

Product Description

Indoor/Outdoor Digital Electricity™ Copper Cable, 8 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

Construction Details

Conductor

Size	Stranding	Material
14	19x27	TC - Tinned Copper

Insulation

Nom. Thickness	Color Code
0.022 in (0.56 mm)	Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown, Black & Orange, Red & White

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.050 in (1.3 mm)	0.766 in (19.5 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
2.5 Ohm/1000ft	30.25 pF/ft (99.25 pF/m)	54.5 pF/ft (179 pF/m)	7 Amps per Conductor at 25ºC (35°C Temperature Rise)

Nom Outer Shield DCR@Cond DCR1-cnv:	3.5 Ohm/1000ft (11 Ohm/km)

Voltage

UL Voltage Rating
450 V RMS

Mechanical Characteristics

Temperature

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

Max. Pull Tension:	760 lbs (340 kg)
Bulk Cable Weight:	358 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	UL 1685 Vertical Tray
NEC / UL Compliance:	Article 725, CL4, CL3
AWM Compliance:	AWM 2464
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: 2020-01-28
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.110 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Length
DEDN148F	Black	2,000 ft

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