Belden

Product: DEIP148F

Digital Electricity™, 8 Pr #14 Str TC, O/A Foil, Flamarrest® Jkt, CL4P, CL3P

Product Description

Digital Electricity™ Optimized Cable, 8 Twisted Pair 14 AWG (19 x 27) Stranded Tinned Copper, Flamarrest® Insulation, Overall Foil Shield, Flamarrest® Apple Green Jacket, Ripcord, CL4P, CL3P, 2000 Ft Reel

Technical Specifications

Product Overview

Suitable Applications:	Digital Electricity™, Fault Managed Power Systems (FMPS), remote powering, indoor

Construction Details

Conductor

Size	Stranding	Material
14	19x27	TC - Tinned Copper

Insulation

Material	Nom. Thickness	Color Code
PVC - Polyvinyl Chloride	0.011 in (0.28 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	0.017 in (0.43 mm)	0.579 in (14.7 mm)

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
2.75 Ohm/1000ft	36.5 pF/ft (120 pF/m)	65.5 pF/ft (215 pF/m)	7 Amps per Conductor at 25ºC (35°C Temperature Rise)

Nom Outer Shield DCR@Cond DCR1-cnv:	11.6 Ohm/1000ft (38.1 Ohm/km)

Voltage

UL Voltage Rating
450 V RMS

Mechanical Characteristics

Temperature

UL Temperature	Operating
75°C	0°C To +75°C

Max. Pull Tension:	760 lbs (340 kg)
Bulk Cable Weight:	275 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	NFPA 262
NEC / UL Compliance:	Article 725, CL4P, CL3P
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: 2020-01-27
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.54 Revision Date: 09-07-2025

Part Numbers

Variants

Item #	Color	Length
DEIP148F	Apple Green	2,000 ft

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