

**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
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### 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 25°C (35°C Temperature Rise)

Nom Outer Shield DCR:	11.6 Ohm/1000ft (38.1 Ohm/km)
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#### 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
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## Part Numbers

### Variants

Item #	Color	Length
DEIP148F	Apple Green	2,000 ft

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