



**Product:** [DEIP148F](#)



Digital Electricity™, 8 Pr #14 Str TC, O/A Foil, Flamarrest® Jkt, 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, CL3P, 2000 Ft Reel

### Technical Specifications

#### Product Overview

Suitable Applications:	Indoor, Digital Electricity™, remote powering
------------------------	---

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Pairs
14	19x27	TC - Tinned Copper	8

Total Number of Pairs:	8
------------------------	---

##### Insulation

Material	Material Trade Name	Nominal Wall Thickness
PVC - Polyvinyl Chloride	Flamarrest®	0.011 in

##### Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow
6	Black & Brown
7	Black & Orange
8	Red & White

##### Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinner Copper	22

##### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.579 in	0.017 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.75 Ohm/1000ft	11.6 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
36.5 pF/ft	65.5 pF/ft

#### Current

Max. Recommended Current [A]
7 Amps per Conductor at 25°C (35°C Temperature Rise)

#### Voltage

UL Voltage Rating
300 V RMS

#### Temperature Range

UL Temp Rating:	75°C
Operating Temperature Range:	0°C To +75°C

#### Mechanical Characteristics

Bulk Cable Weight:	275 lbs/1000ft
Max. Pull Tension:	760 lbs
Min. Bend Radius/Minor Axis:	5.75 in

#### Standards

NEC Articles:	Article 725
NEC/(UL) Compliance:	CL3P

#### 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 CE Mark:	Yes
EU REACH SVHC Compliance (yyyy-mm-dd):	2020-01-27

#### Suitability

Suitability - Indoor:	Yes
-----------------------	-----

#### Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262
------------------	----------

#### Related Part Numbers

#### Variants

Item #	Color	Length
DEIP148F	Apple Green	2,000 ft

#### History

Update and Revision:	Revision Number: 0.40 Revision Date: 04-08-2022
----------------------	---

© 2022 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.