



**Product:** [DEIP162F](#) 

Digital Electricity™, 2 Pr #16 Str TC, O/A Foil, Flamarrest® Jkt, CMP

## Product Description

Digital Electricity™ Optimized Cable, 2 Twisted Pair 16 AWG (19 x 29) Stranded Tinned Copper, Flamarrest® Insulation, Overall Foil Shield, Flamarrest® Apple Green Jacket, Ripcord, CMP, 2000 Ft Reel

## Technical Specifications

### Product Overview

Suitable Applications:	Indoor, Digital Electricity™, remote powering
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
16	19x29	TC - Tinned Copper	2

Total Number of Pairs:	2
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#### 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

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.330 in	0.017 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.3 Ohm/1000ft	7.1 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
42.25 pF/ft	76.25 pF/ft

#### Current

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

## Voltage

<b>UL Voltage Rating</b>
300 V RMS

## Temperature Range

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

## Mechanical Characteristics

Bulk Cable Weight:	55 lbs/1000ft
Max. Pull Tension:	160 lbs
Min Bend Radius/Minor Axis:	3.25 in

## Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMP
CEC/C(UL) Compliance:	CMP

## 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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU CE Mark:	Yes
EU REACH SVHC Compliance (yyyy-mm-dd):	2020-01-27
EU RoHS Compliance Date (yyyy-mm-dd):	2020-01-27

## Suitability

Suitability - Indoor:	Yes
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## Flammability, LS0H, Toxicity Testing

C(UL) Flammability:	FT6
UL Flammability:	NFPA 262

## Part Number

### Variants

Item #	Color	Length
DEIP162F	Apple Green	2,000 ft

## History

Update and Revision:	Revision Number: 0.17 Revision Date: 09-22-2020
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