



**Product:** [DEIP164F](#)

Digital Electricity™, 4 Pr #16 Str TC, O/A Foil, Flamarrest® Jkt, CMP

### Product Description

Digital Electricity™ Optimized Cable, 4 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	4

Total Number of Pairs:	4
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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
3	Black & Green
4	Black & Blue

##### Outer Shield

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

##### Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.390 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]**

7.6 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 Temp Range:	0°C To +75°C

**Mechanical Characteristics**

Bulk Cable Weight:	97 lbs/1000ft
Max. Pull Tension:	320 lbs
Min. Bend Radius/Minor Axis:	3.875 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 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):	2020-01-31

**Suitability**

Suitability - Indoor:	Yes
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**Flammability, LSOH, Toxicity Testing**

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

**Part Number****Variants**

Item #	Color	Length
DEIP164F	Apple Green	2,000 ft

**History**

Update and Revision:	Revision Number: 0.35 Revision Date: 08-27-2021
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