# Product: DEIP148U

Digital Electricity™, 8 Pr #14 Str TC, Flamarrest® Jkt, CL4P, CL3P

## Product Description

Digital Electricity™ Optimized Cable, 8 Twisted Pair 14 AWG (19 x 27) Stranded Tinned Copper, Flamarrest® Insulation, 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 |

### 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 Jacket**

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.572 in | 0.017 in |

### Electrical Characteristics

**Conductor DCR**

| Nominal Conductor DCR |
|---|
| 2.75 Ohm/1000ft |

**Capacitance**

| Nom. Capacitance Conductor to Conductor |
|---|
| 30.75 pF/ft |

**Current**

| Max. Recommended Current [A] |
|---|

| |
|---|
| 7 Amps per Conductor at 25ºC (35°C Temperature Rise) |

**Voltage**

| UL Voltage Rating |
|---|
| 450 V RMS |

## Temperature Range

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

## Mechanical Characteristics

| | |
|---|---|
| Bulk Cable Weight: | 269 lbs/1000ft |
| Max. Pull Tension: | 760 lbs |
| Min. Bend Radius/Minor Axis: | 5.75 in |

## Standards

| | |
|---|---|
| NEC Articles: | Article 725 |
| NEC/(UL) Compliance: | CL4P, 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): | 2020-01-24 |

## Suitability

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

## Flammability, LS0H, Toxicity Testing

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

## Related Part Numbers

**Variants**

| Item # | Color | Length |
|---|---|---|
| DEIP148U | Apple Green | 2,000 ft |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.108 Revision Date: 12-22-2023 |

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