



**Product:** [DEIP168U](#)

Indoor Digital Electricity Copper Cable, #16-8pr, TC, LS-PVC, CL4P, CMP, LS-PVC Jkt

### Product Description

Indoor Digital Electricity Copper Cable, 8-16 AWG Stranded (19x29) Tinned Copper Pairs with Flamarrest® insulation, Plenum-CL4P, CMP, Flamarrest® Jacket with Ripcord

### 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
16	19x29	TC - Tinned Copper	8

Conductor Count:	16
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	0.479 in	0.017 in

#### Electrical Characteristics

##### Conductor DCR

Nominal Conductor DCR
4.3 Ohm/1000ft

##### Capacitance

Nom. Capacitance Conductor to Conductor
30 pF/ft

##### Current

**Max. Recommended Current [A]**

5.5 Amps per Conductor at 25°C (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:	159 lbs/1000ft
Max. Pull Tension:	485 lbs
Min. Bend Radius/Minor Axis:	4.75 in

**Standards**

NEC Articles:	Article 800
NEC/(UL) Compliance:	CL4P, CL3P
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 Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

**Suitability**

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

**Flammability, LSOH, Toxicity Testing**

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

**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
---------------	-----

**Related Part Numbers****Variants**

Item #	Color	Length
DEIP168U	Apple Green	2,000 ft

**History**

Update and Revision:	Revision Number: 0.128 Revision Date: 11-27-2023
----------------------	--

© 2023 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.