



Part Number: DEDN188U

Indoor/Outdoor Digital Electricity Copper Cable, #18-8pr, TC, PVC, CMG, PVC Jkt

Product Description

Indoor/Outdoor Digital Electricity Copper Cable, 8-18 AWG Stranded (7x26) Tinned Copper Pairs, PVC insulation, Unshielded, PVC Jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 18 | 7X26 | TC - Tinned Copper | 8 |

| | |
|------------------------|----|
| Conductor Count: | 16 |
| Total Number of Pairs: | 8 |

Insulation

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.017 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

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.520 in | 0.040 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 6.4 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|-----------------------------------------|
| 22 pF/ft |

Current

| Max. Recommended Current [A] |
|---------------------------------------------------------|
| Per conductor for 35C temp. rise above 25C ambient: 4 A |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300 V RMS |

Temperature Range

| | |
|-----------------------|-----------------|
| UL Temp Rating: | 105°C |
| Operating Temp Range: | -30°C To +105°C |

Mechanical Characteristics

| | |
|----------------------------------|----------------|
| Bulk Cable Weight: | 167 lbs/1000ft |
| Max Recommended Pulling Tension: | 360 lbs |
| Min Bend Radius/Minor Axis: | 5.2 in |

Standards

| | |
|--------------------------|------|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| UL AWM Style: | 2464 |

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 Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU REACH SVHC Compliance (yyyy-mm-dd): | 2019-05-13 |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2019-05-13 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |

Suitability

| | |
|------------------------------------|-----|
| Suitability - Indoor: | Yes |
| Suitability - Outdoor: | Yes |
| Suitability - Sunlight Resistance: | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|---------------------|---------------------|
| C(UL) Flammability: | FT4 |
| UL Flammability: | UL 1685 FT4 Loading |
| IEEE Flammability: | 1202 |

Part Number

Variants

| Item # | Color | Length |
|----------|-------|----------|
| DEDN188U | Black | 2,000 ft |

History

| | |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.20 Revision Date: 08-22-2019 |
|----------------------|-------------------------------------------------|

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