



Part Number: 8205

Electronic, 2 C #20 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 20 | 7x28 | TC - Tinned Copper | 1 |

| | |
|------------------------|---|
| Conductor Count: | 2 |
| Total Number of Pairs: | 1 |

Insulation

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.0145 in |

Color Chart

| Number | Color |
|--------|-------------|
| 1 | Black & Red |

Outer Shield Material

| Material |
|------------|
| Unshielded |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.18 in | 0.025 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR |
|-----------------------|
| 10 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor |
|---|
| 24.5 pF/ft |

Current

| Max. Recommended Current [A] |
|-------------------------------|
| 3.7 Amps per conductor @ 20°C |

Voltage

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

Temperature Range

| | |
|-----------------------|----------------|
| Operating Temp Range: | -20°C To +60°C |
|-----------------------|----------------|

Mechanical Characteristics

| | |
|----------------------------------|---------------|
| Bulk Cable Weight: | 16 lbs/1000ft |
| Max Recommended Pulling Tension: | 28 lbs |
| Min Bend Radius/Minor Axis: | 2 in |

Standards

| | |
|--------------------------|-----|
| NEC Articles: | 800 |
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/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 RoHS Compliance Date (yyyy-mm-dd): | 2005-04-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LSOH, Toxicity Testing

| | |
|-----------------------|--------------------|
| UL Flammability: | UL1685 FT4 Loading |
| CSA Flammability: | FT4 |
| ISO/IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color | UPC | Length | Footnote |
|--------------|--------|--------------|----------|----------|
| 8205.0030 | Chrome | | 30 m | |
| 8205.00U152 | Chrome | | 152 m | |
| 8205.00U305 | Chrome | | 305 m | |
| 8205.01152 | Chrome | | 152 m | |
| 8205.01305 | Chrome | | 305 m | |
| 8205 0601000 | Chrome | 612825196006 | 1,000 ft | C |
| 8205 0605000 | Chrome | 612825196020 | 5,000 ft | |
| 8205 060U500 | Chrome | 612825195986 | 500 ft | |
| 8205.K1305 | Chrome | | 305 m | |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

History

| | |
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| Update and Revision: | Revision Number: 0.282 Revision Date: 08-22-2019 |
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