

# Product: 9585

Audio, Control & Instrument, #24-25pr, PVC, PVC Jkt, CMG

## Product Description

Audio, Control & Instrument Cable, 24 AWG solid tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | telephone cables; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); voice communications |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Pair(s) | 25 | 24 | Solid | TC - Tinned Copper |

**Insulation**

| Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.01 in (0.25 mm) | 0.041 in (1.0 mm) | White & Blue, White & Orange, White & Green, White & Brown, White & Gray, Red & Blue, Red & Orange, Red & Green, Red & Brown, Red & Gray, Black & Blue, Black & Orange, Black & Green, Black & Brown, Black & Gray, Yellow & Blue, Yellow & Orange, Yellow & Green, Yellow & Brown, Yellow & Gray, Purple & Blue, Purple & Orange, Purple & Green, Purple & Brown, Purple & Gray |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.04 in (1.0 mm) | 0.48 in |

### Electrical Characteristics

**Electricals**

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Max. Current |
|---|---|---|
| 32.8 Ohm/1000ft | 22 pF/ft (72 pF/m) | 1 Amp per Conductor at 20ºC |

**Voltage**

| UL Voltage Rating |
|---|
| 300 V (CMG), 150 V (AWM 2576) |

### Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 80°C | -20°C To +80°C |

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 4.8 in (120 mm) | 4.8 in |

| | |
|---|---|
| Max. Pull Tension: | 255 lbs (116 kg) |
| Bulk Cable Weight: | 134 lbs/1000ft |

## Standards and Compliance

| | |
|---|---|
| Flammability / Reaction to Fire: | UL1685 FT4 Loading, FT4 |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | AWM 2576 |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.323 Revision Date: 12-22-2023 |

## Part Numbers

**Variants**

| Item # | Color | Putup Type | Length | UPC | Footnote |
|---|---|---|---|---|---|
| 9585 060500 | Chrome | Reel | 500 ft | 612825256274 | C |
| 9585 0601000 | Chrome | Reel | 1,000 ft | 612825256267 | C |

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