Belden



# Product: 9855

POS Cable, #22-2pr, TC, PO, O/A Foil+55% TC Braid, PVC Jkt, CM

## Product Description

Computer POS Cable, 22 AWG solid tinned copper conductors, solid PO insulation, twisted pairs, overall Beldfoil® (100% coverage) + tinned copper braid shield (55% coverage) + polyester tape, 22 AWG solid tinned copper drain wire, PVC jacket, CM rated

## Technical Specifications

### Product Overview

| | |
|---|---|
| Suitable Applications: | point of sale; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, …) |

### Construction Details

**Conductor**

| Element | No. of Elements | Size | Stranding | Material |
|---|---|---|---|---|
| Pair(s) | 2 | 22 AWG | Solid | TC - Tinned Copper |

**Insulation**

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---|---|---|---|---|
| Pair(s) | PE - Polyethylene | 0.019 in (0.48 mm) | 0.064 in (1.6 mm) | Red & Blue, Yellow & Black |

**Outer Shield**

| Shield Type | Material | Coverage | Drainwire Type |
|---|---|---|---|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 22 AWG (Solid) TC |
| Braid | Tinned Copper (TC) | 61% | |

**Outer Jacket**

| Material | Nom. Thickness | Nom. Diameter | Ripcord |
|---|---|---|---|
| PVC - Polyvinyl Chloride | 0.033 in (0.84 mm) | 0.270 in | Yes |

| | |
|---|---|
| Overall Cable Diameter (Nominal): | 0.270 in |

### Electrical Characteristics

**Electricals**

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedence | Nom. Velocity of Prop. | Max. Current |
|---|---|---|---|---|---|
| 20.6 Ohm/1000ft | 15.5 pF/ft (50.9 pF/m) | 27.5 pF/ft (90.2 pF/m) | 100 Ohm | 66% | 4.8 Amps per Conductor at 30ºC |

| | |
|---|---|
| Nom Outer Shield DCR: | 4.2 Ohm/1000ft (14 Ohm/km) |

**High Frequency (Nominal/Typical)**

| Frequency | Nom. Insertion Loss (Attenuation) [dB/100ft] |
|---|---|
| 0.3 | 0.4 |
| 0.6 | 0.53 |
| 1 | 0.65 |
| 1.5 | 0.78 |

**Voltage**

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

## Mechanical Characteristics

**Temperature**

| UL Temperature | Operating |
|---|---|
| 60°C | -20°C to 60°C |

**Bend Radius**

| Stationary Min. | Installation Min. |
|---|---|
| 2.70 in (68.6 mm) | 2.70 in |

| | |
|---|---|
| Max. Pull Tension: | 65.04 lbs (29.50 kg) |
| Bulk Cable Weight: | 37 lbs/1000ft |

## Standards and Compliance

| | |
|---|---|
| Environmental Suitability: | Indoor, Indoor |
| Flammability / Reaction to Fire: | UL 1685 UL loading |
| CPR Compliance: | CPR Euroclass: Fca |
| NEC / UL Compliance: | Article 800, CM |
| AWM Compliance: | AWM 2582 |
| CEC / C(UL) Compliance: | CM. |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Plenum Number: | 89855 |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.212 Revision Date: 09-07-2025 |

## Part Numbers

**Variants**

| Item # | Color | UPC | Footnote |
|---|---|---|---|
| 9855 0101000 | Black | 612825259657 | C |
| 9855 01010000 | Black | 612825259664 | C Y |
| 9855 010500 | Black | 612825259671 | C |

| | |
|---|---|
| Footnote: | C - CRATE REEL PUT-UP., Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'. |

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