



Product: [9544](#)

RS232, #24-30c, SR-PVC, O/A Foil, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 24 AWG stranded (7x32) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® shield (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Product Overview

|                        |                                                                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Suitable Applications: | RS-232 Applications; Computer Communications; Low Voltage Analog Signals (4-20mA, 0-10V, ...); Low Voltage Digital Control (24V, ...); Line Level Audio; Panel Wiring |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

Construction Details

Conductor

| Element      | No. of Elements | Size   | Stranding | Material           |
|--------------|-----------------|--------|-----------|--------------------|
| Conductor(s) | 30              | 24 AWG | 7x32      | TC - Tinned Copper |

Insulation

| Element      | Material                                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|--------------|------------------------------------------|--------------------|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 in (0.28 mm) | 0.044 in (1.1 mm)        | Black, White, Red, Green, Orange, Blue, White/Black Stripe, Red/Black Stripe, Green/Black Stripe, Orange/Black Stripe, Blue/Black Stripe, Black/White Stripe, Red/White Stripe, Green/White Stripe, Blue/White Stripe, Black/Red Stripe, White/Red Stripe, Orange/Red Stripe, Blue/Red Stripe, Red/Green Stripe, Orange/Green Stripe, Black/White/Red Stripes, White/Black/Red Stripes, Red/Black/White Stripes, Green/Black/White Stripes, Orange/Black/White Stripes, Blue/Black/White Stripes, Black/Red/Green Stripes, White/Red/Green Stripes, Red/Black/Green Stripes |

Outer Shield

| Shield Type | Material                | Coverage | Drainwire Type   |
|-------------|-------------------------|----------|------------------|
| Tape        | Bi-Laminate (Alum+Poly) | 100%     | 24 AWG (7x32) TC |

Outer Jacket

| Material                          | Nom. Thickness    | Nom. Diameter      |
|-----------------------------------|-------------------|--------------------|
| PVC - Polyvinyl Chloride          | 0.040 in (1.0 mm) | 0.380 in (9.65 mm) |
| Overall Cable Diameter (Nominal): |                   | 0.380 in (9.65 mm) |

Electrical Characteristics

| Electricals                      |                    |                               |                                                 |                                |
|----------------------------------|--------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| Element                          | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current                   |
| Conductor(s)                     | 25 Ohm/1000ft      | 30 pF/ft (98 pF/m)            | 55 pF/ft (180 pF/m)                             | 1.3 Amps per Conductor at 25°C |
| Voltage                          |                    |                               |                                                 |                                |
| UL Voltage Rating                |                    |                               |                                                 |                                |
| 300 V (CMG), 300 V (UL AWM 2464) |                    |                               |                                                 |                                |

Mechanical Characteristics

| Temperature                      |                |
|----------------------------------|----------------|
| UL Temperature                   | Operating      |
| 60°C (UL CMG);80°C (UL AWM 2464) | -30°C to +80°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| 4.6 in (120 mm) | 4.6 in (120 mm)   |

|                    |                   |
|--------------------|-------------------|
| Max. Pull Tension: | 171 lbs (77.6 kg) |
| Bulk Cable Weight: | 93 lbs/1000ft     |

Standards and Compliance

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| Environmental Suitability:       | Indoor (Not Riser or Plenum), Indoor                                         |
| Sustainability:                  | CA Prop 65                                                                   |
| Flammability / Reaction to Fire: | UL 1685 FT4 Loading, FT4, IEC 60332-1-2                                      |
| CPR Compliance:                  | CPR Euroclass: Eca                                                           |
| NEC / UL Compliance:             | Article 800, CMG                                                             |
| AWM Compliance:                  | AWM 2464                                                                     |
| CEC / C(UL) Compliance:          | CMG                                                                          |
| European Directive Compliance:   | EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance:        | UKCA Mark                                                                    |
| APAC Compliance:                 | China RoHS II (GB/T 26572-2011)                                              |

History

|                      |                                                  |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.522 Revision Date: 01-20-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #       | Color  | Putup Type | Length   | UPC          | Footnote |
|--------------|--------|------------|----------|--------------|----------|
| 9544 060100  | Chrome | Reel       | 100 ft   | 612825255659 |          |
| 9544 060500  | Chrome | Reel       | 500 ft   | 612825255673 | C        |
| 9544 0601000 | Chrome | Reel       | 1,000 ft | 612825255666 | C        |

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