



Product: [9944](#)

RS-232, #22-8c, SR-PVC, O/A Foil+Braid, PVC Jkt, CMG

Product Description

Computer EIA RS-232 Cable, 22 AWG stranded (7x30) tinned copper conductors, semi-rigid PVC insulation, overall Beldfoil® (100% coverage) + tinned copper braid shield (65% coverage), 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 | Number of Element | AWG | Stranding | Material |
|--------------|-------------------|-----|-----------|--------------------|
| Conductor(s) | 8 | 22 | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Thickness [in.] | Color Code |
|--------------|------------------------------------------|-----------------|-------------------------------------------------------|
| Conductor(s) | SR-PVC - Polyvinyl Chloride (Semi-Rigid) | 0.011 | Black, White, Red, Green, Brown, Blue, Orange, Yellow |

Outer Shield Material

| Shield Type | Material | Coverage |
|--------------|----------------------------------------------|-----------|
| Tape + Braid | Bi-Laminate (Alum+Poly) + Tinned Copper (TC) | 65% + 65% |

Outer Jacket Material

| Material | Thickness | Nom. Diameter |
|--------------------------|-----------|---------------|
| PVC - Polyvinyl Chloride | 0.035 in | 0.264 in |

Cable Diameter (Nominal): 0.264 in

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Max. Current |
|--------------|--------------------|-------------------------------|-------------------------------------------------|--------------------------------|
| Conductor(s) | 14.7 Ohm/1000ft | 35 pF/ft | 63 pF/ft | 1.5 Amps per Conductor at 25°C |

Nom Outer Shield DCR: 6 Ohm/1000ft

Voltage

| UL Voltage Rating |
|----------------------------------|
| 300 V (CMG), 300 V (UL AWM 2464) |

Mechanical Characteristics

Temperature

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

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| | |

| | |
|---------|--------|
| 2.75 in | 3.2 in |
|---------|--------|

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 48 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

| | |
|---------------------------------|----------------------------------------|
| Environmental Suitability: | Indoor (Not Riser or Plenum), Indoor |
| Sustainability: | CA Prop 65 |
| Flammability / Fire Resistance: | UL1685 FT4 Loading, FT4, IEC 60332-1-2 |
| NEC / UL Compliance: | Article 800, CMG |
| AWM Compliance: | 2464 |
| CEC / C(UL) Compliance: | CMG |
| CPR Euroclass: | Eca |
| European Directive Compliance: | EU CE Mark |

History

| | |
|----------------------|--------------------------------------------------|
| Update and Revision: | Revision Number: 0.323 Revision Date: 08-25-2020 |
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