

Part Number: 9945

RS-232, #22-9c, 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

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Conductors |
|-----|-----------|--------------------|-------------------|
| 22 | 7x30 | TC - Tinned Copper | 9 |

| | |
|------------------|--------|
| Conductor Count: | 9 |
| Conductor Size: | 22 AWG |

Insulation

| Material | Nominal Wall Thickness |
|---|------------------------|
| S-R PVC - Semi-Rigid Polyvinyl Chloride | 0.011 in |

Color Chart

| Number | Color |
|--------|--------|
| 1 | Black |
| 2 | White |
| 3 | Red |
| 4 | Green |
| 5 | Brown |
| 6 | Blue |
| 7 | Orange |
| 8 | Yellow |
| 9 | Purple |

Outer Shield Material

| Type | Layer | Material | Material Trade Name | Coverage [%] |
|-------|-------|--------------------|---------------------|--------------|
| Tape | 1 | Aluminum/Polyester | Beldfoil® | 100 % |
| Braid | 2 | TC - Tinned Copper | | 65 % |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.28 in | 0.035 in |

Electrical Characteristics

Conductor DCR

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|-----------------------|--------------------------|
| 14.7 Ohm/1000ft | 5.1 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 35 pF/ft | 63 pF/ft |
| Shielding: | Foil + Braid(s) |

Current

Max. Recommended Current [A]

2.1 Amps per conductor @ 25°C A

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

| | |
|-----------------------|--------------------------|
| UL Temp Rating: | 80°C (UL AWM Style 2464) |
| Operating Temp Range: | -30°C To +80°C |

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 53 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 3 in |

Standards

| | |
|--------------------------|-------------------|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| UL AWM Style: | 2464 (300 V 80°C) |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2005-10-01 |
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| MII Order #39 (China RoHS): | Yes |

Flammability, LS0H, Toxicity Testing

| | |
|--------------------|--------------------|
| UL Flammability: | UL1685 FT4 Loading |
| CSA Flammability: | FT4 |
| UL voltage rating: | 300 V RMS |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | Footnote |
|--------------|--------|----------|
| 9945 060100 | Chrome | |
| 9945 0601000 | Chrome | C |
| 9945 060500 | Chrome | C |
| 9945 0605000 | Chrome | |

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

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