Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9804 Multi-Conductor - Low Capacitance Computer Cables for EIA RS-232/422



For more Information please call

1-800-Belden1



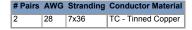
General Description:

28 AWG stranded (7x36) TC conductors, polypropylene insulation, overall Beldfoil® (100% coverage) + TC braid shield (90% coverage), 28 AWG stranded TC drain wire, PVC jacket.

Physical Characteristics (Overall)

Conductor

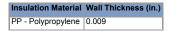
AWG:



Total Number of Conductors:

Insulation

Insulation Material:



Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Type | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|------------------------------|--------------|
| 1 | Beldfoil® | Таре | Aluminum Foil-Polyester Tape | 100 |
| 2 | | Braid | TC - Tinned Copper | 90 |

Outer Shield Drain Wire AWG:

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 28 | 7x36 | TC - Tinned Copper |

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | 0.042 |

Overall Cable

Overall Nominal Diameter: 0.214 in.

Pair

Pair Color Code Chart:

| Number | Color |
|--------|---------------|
| 1 | Black & Red |
| 2 | Black & White |

Mechanical Characteristics (Overall)

| Operating Temperature Range: | -20°C To +60°C |
|-----------------------------------|--------------------------|
| UL Temperature Rating: | 60°C (UL AWM Style 2960) |
| Bulk Cable Weight: | 29 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 40 lbs. |
| Min. Bend Radius/Minor Axis: | 2.250 in. |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| NEC/(UL) Specification: | CL2 |
|------------------------------------|---------------------------|
| AWM Specification: | UL Style 2960 (30 V 60°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
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| EU RoHS | 6 Compliance Date (mm/dd/yyyy): | 01/01/2004 |
|-------------------|---------------------------------|-------------------|
| EU Direc | tive 2002/96/EC (WEEE): | Yes |
| EU Direc | tive 2003/11/EC (BFR): | Yes |
| CA Prop | 65 (CJ for Wire & Cable): | Yes |
| MII Orde | r #39 (China RoHS): | Yes |
| Flame Test | | |
| UL Flam | e Test: | UL1685 UL Loading |
| Plenum/Non-Plenum | | |
| Plenum | Y/N): | No |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| Impedance (Ohm) |
|-----------------|
| 100 |

Nom. Inductance:



Nom. Capacitance Conductor to Conductor:



Nom. Capacitance Cond. to Other Conductor & Shield:



Nominal Velocity of Propagation:



Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 64.9 |

Nominal Outer Shield DC Resistance:

| DCR @ 20°C (Ohm/1000 | ft) |
|----------------------|-----|
| 4.9 | |

Max. Operating Voltage - UL:

| | - |
|-----------|-------------------|
| Voltage | Description |
| 30 V RMS | UL AWM Style 2960 |
| 150 V RMS | CL2 |

Max. Recommended Current:

| Current | |
|----------------------------|--|
| 1 Amp per conductor @ 25°C | |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|--------------------|
| 9804 060100 | 100 FT | 3.600 LB | CHROME | | 2 PR #28 PP SH PVC |
| 9804 0601000 | 1,000 FT | 32.000 LB | CHROME | С | 2 PR #28 PP SH PVC |
| 9804 060500 | 500 FT | 16.000 LB | CHROME | С | 2 PR #28 PP SH PVC |

Notes: C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-14-2012

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Product.

Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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