Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



9880 Coax - Coaxial Cable - Thicknet 10Base5 Ethernet

CANADO CONTRACIONA CONTRACIONA

For more Information please call

1-800-Belden1



General Description:

12 AWG solid .086" bare copper conductor, foam polyethylene insulation, Duobond IV® quad shield (100% coverage), PVC jacket.

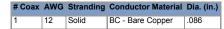
Usage (Overall)

Suitable Applications: Thick Ethernet

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

Insulation

Insulation Material:

| Insulation Material | Dia. (in.) |
|-------------------------|------------|
| FPE - Foam Polyethylene | .243 |

Outer Shield

Outer Shield Material:

| Layer # | Outer Shield Trade Name | Туре | Outer Shield Material | Coverage (%) |
|---------|-------------------------|-------|---|--------------|
| 1 | Bonded Duofoil® | Tape | Bonded Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 2 | | Braid | TC - Tinned Copper | 94 |
| 3 | Duofoil® | Таре | Aluminum Foil-Polyester Tape-Aluminum Foil | 100 |
| 4 | | Braid | TC - Tinned Copper | 90 |

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Nominal Diameter: 0.405 in.

Mechanical Characteristics (Overall)

| Operating Temperature Range: | -40°C To +60°C | | |
|-----------------------------------|--------------------------|--|--|
| UL Temperature Rating: | 60°C (UL AWM Style 1478) | | |
| Bulk Cable Weight: | 122 lbs/1000 ft. | | |
| Max. Recommended Pulling Tension: | 255 lbs. | | |
| Min. Bend Radius/Minor Axis: | 4.250 in. | | |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| NEC/(UL) Specification: | CL2, CM |
|---------------------------------------|---------------------------|
| CEC/C(UL) Specification: | CM |
| AWM Specification: | UL Style 1478 (30 V 60°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| IEEE Specification: | IEEE802.3 10Base5 |
| EU CE Mark: | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 01/01/2004 |
| | |

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| | EU Directive 2002/96/EC (WEEE): | Yes |
|-----|---|--------------------------|
| | EU Directive 2003/11/EC (BFR): | Yes |
| | CA Prop 65 (CJ for Wire & Cable): | Yes |
| | MII Order #39 (China RoHS): | Yes |
| | Customer Part Number Reference Specification: | DEC Part No. 17-00451-00 |
| Fla | me Test | |
| | UL Flame Test: | UL1685 UL Loading |
| Ple | num/Non-Plenum | |
| | Plenum (Y/N): | No |
| | Plenum Number: | 89880 |

Electrical Characteristics (Overall)

Nom. Characteristic Impedance:

| Impedance (Ohm) | Tolerance (Ohms) | | |
|-----------------|------------------|--|--|
| 50 | +/- 2 | | |

Nom. Inductance:

Inductance (µH/ft) .065

Nom. Capacitance Conductor to Shield:

Capacitance (pF/ft) 26.0

Nominal Velocity of Propagation:



Nominal Delay:



Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 1.42

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft) 1.52

Max. Attenuation:

| Freq. (MHz) | Attenuation (dB/100 ft.) | | | |
|-------------|--------------------------|--|--|--|
| 1 | .19 | | | |
| 5 | .37 | | | |
| 10 | .52 | | | |
| 50 | 1.2 | | | |
| 100 | 1.7 | | | |
| 200 | 2.55 | | | |
| 400 | 3.9 | | | |
| 700 | 5.5 | | | |
| 900 | 6.5 | | | |
| 1000 | 6.9 | | | |
| 1500 | 8.5 | | | |
| 2000 | 10.1 | | | |
| 2500 | 11.5 | | | |
| 3000 | 13.0 | | | |

Max. Operating Voltage - UL:

| Voltage | Description | | |
|-----------|-------------|--|--|
| 300 V RMS | | | |
| 30 V RMS | UL AWM 1478 | | |

Notes (Overall)

Notes: Ringband stripes every 2.5 meters to aid users in tap placement.

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|------------------------|
| 9880 0041000 | 1,000 FT | 131.000 LB | YELLOW | С | 11H 50 OHM TRUNK CABLE |
| 9880 0041640 | 1,640 FT | 219.760 LB | YELLOW | С | 11H 50 OHM TRUNK CABLE |

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| 9880 004500 | 500 FT | 66.000 LB | YELLOW | С | 11H 50 OHM TRUNK CABLE |
|-------------|--------|-----------|--------|---|------------------------|
|-------------|--------|-----------|--------|---|------------------------|

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 09-25-2012

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