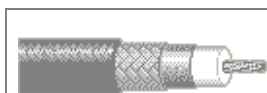


**9907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet**



For more Information  
please call  
  
1-800-Belden1



**Description**

20 AWG stranded (19x32) .037" tinned copper conductor, foam polyethylene insulation, Duobond® II (100% coverage) plus an overall tinned copper braid shield (93% coverage), PVC jacket.

**Suitable Applications (Overall):**

Suitable Applications Thin Ethernet

**Physical Characteristics (Overall):**

**Conductor:**

AWG

| # Coax | AWG | Stranding | Conductor Material | Dia. (in.) |
|--------|-----|-----------|--------------------|------------|
| 1      | 20  | 19x32     | TC - Tinned Copper | 0.037      |

**Insulation:**

Insulation Material

| Ins Material                           | Dia. (in.) |
|--|------------|
| FHDPE - Foam High Density Polyethylene | 0.102      |

**Outer Shield:**

Outer Shield Material

| Layer # | Outer Shield Trade Name | Type  | Outer Shield Material                             | % Coverage (%) |
|---------|-------------------------|-------|---|----------------|
| 1       | Bonded Duofoil®         | Tape  | Bonded Aluminum Foil-Polyester Tape-Aluminum Foil | 100            |
| 2       |                         | Braid | TC - Tinned Copper                                | 93             |

**Outer Jacket:**

Outer Jacket Material

| Outer Jacket Material    |
|--------------------------|
| PVC - Polyvinyl Chloride |

**Overall Cabling:**

Overall Nominal Diameter: .185 in.

**Mechanical Characteristics (Overall):**

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range       | -40°C To +80°C           |
| UL Temperature Rating             | 60°C (UL AWM Style 1354) |
| Bulk Cable Weight:                | 22.300 lbs/1000 ft.      |
| Max. Recommended Pulling Tension: | 45 lbs.                  |
| Min. Bend Radius (Install):       | 1.800 in.                |

**Applicable Specifications and Agency Compliance (Overall):**

**Applicable Standards:**

|                         |                           |
|-------------------------|---------------------------|
| NEC/UL) Specification   | CM, CL2                   |
| CEC/C(UL) Specification | CM                        |
| AWM Specification       | UL Style 1354 (30 V 60°C) |
| IEEE Specification      | IEEE802.3 10Base2         |
| IEC Specification       | ISO8802.3 10Base2         |
| EU CE Mark (Y/N)        | Yes                       |

**9907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet**

|  |                          |
|--|--------------------------|
| EU RoHS Compliant (Y/N)                      | Yes                      |
| EU RoHS Compliance Date (mm/dd/yyyy)         | 01/01/2004               |
| Customer Part Number Reference Specification | DEC Part No. 17-01248-00 |
| RG Type                                      | 58A/U                    |
| <b>Flame Test:</b>                           |                          |
| UL Flame Test                                | UL1685 UL Loading        |
| <b>Plenum/Non-Plenum:</b>                    |                          |
| Plenum (Y/N)                                 | N                        |
| Plenum Number                                | 82907, 89907             |

**Electrical Characteristics (Overall):**

Nom. Characteristic Impedance

|                        |
|------------------------|
| <b>Impedance (Ohm)</b> |
| 50 +/- 2               |

Nom. Capacitance Conductor to Shield

|                            |
|----------------------------|
| <b>Capacitance (pF/ft)</b> |
| 25.400                     |

Nominal Velocity of Propagation

|               |
|---------------|
| <b>VP (%)</b> |
| 80            |

Nominal Delay

|                      |
|----------------------|
| <b>Delay (ns/ft)</b> |
| 1.270                |

Nom. Conductor DC Resistance

|                                 |
|---------------------------------|
| <b>DCR @ 20°C (Ohm/1000 ft)</b> |
| 8.800                           |

Nom. Attenuation

| Description | Freq. (MHz) | Start Freq. (MHz) | Stop Freq. (MHz) | Attenuation (dB/100 ft.) |
|-------------|-------------|-------------------|------------------|--------------------------|
|             | 1.000       |                   |                  | 0.430                    |
|             | 10.000      |                   |                  | 1.300                    |
|             | 50.000      |                   |                  | 2.910                    |
|             | 100.000     |                   |                  | 4.200                    |
|             | 200.000     |                   |                  | 6.100                    |
|             | 400.000     |                   |                  | 8.900                    |
|             | 700.000     |                   |                  | 12.100                   |
|             | 900.000     |                   |                  | 13.900                   |
|             | 1000.000    |                   |                  | 14.800                   |

Max. Operating Voltage - UL

|                              |
|------------------------------|
| <b>Voltage</b>               |
| 300 V RMS                    |
| 30 V RMS (UL AWM Style 1354) |

Maximum Loop Resistance

|                                 |
|---------------------------------|
| <b>Resistance (Ohm/1000 ft)</b> |
| 15.240                          |

Nominal Outer Shield DC Resistance

|                                 |
|---------------------------------|
| <b>DCR @ 20°C (Ohm/1000 ft)</b> |
| 5.800                           |

**Notes (Overall):**

Notes      Tape to bond at overlap area only. Tape is not designed to bond to dielectric core.

**PUT UPS AND COLORS:**

**9907 Coax - Coaxial Cable - Thinnet 10Base2 Ethernet**

| Item #        | Putup    | Ship Weight | Jacket Color    | Notes | Item Desc                |
|---------------|----------|-------------|-----------------|-------|--------------------------|
| 9907 E4X1000  | 1,000 FT | 23.000 LB   | GRAY, LIGHT DEC | C     | RG-58 TYPE COAX GRYLTDEC |
| 9907 E4X1640  | 1,640 FT | 41.000 LB   | GRAY, LIGHT DEC | C     | RG-58 TYPE COAX GRYLTDEC |
| 9907 E4X2500  | 2,500 FT | 62.500 LB   | GRAY, LIGHT DEC | C     | RG-58 TYPE COAX GRYLTDEC |
| 9907 E4X3280  | 3,280 FT | 82.000 LB   | GRAY, LIGHT DEC | C     | RG-58 TYPE COAX GRYLTDEC |
| 9907 E4X500   | 500 FT   | 12.500 LB   | GRAY, LIGHT DEC |       | RG-58 TYPE COAX GRYLTDEC |
| 9907 E4XU1000 | 1,000 FT | 24.000 LB   | GRAY, LIGHT DEC |       | RG-58 TYPE COAX GRYLTDEC |

**Notes:**

C = CRATE REEL PUT-UP.

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