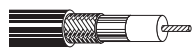


# Computer and Instrumentation Cable

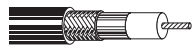
## 50 Ohm Ethernet® Coax

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD |    | Shielding Materials Nom. DCR | Nominal OD |    | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance |      | Nominal Attenuation |             |          |
|-------------|----------|------------------------|------------------|---|----------------------|----|---|-----------------|----|------------------------------|------------|----|---------------|--------------------|---------------------|------|---------------------|-------------|----------|
|             |          |                        | Ft.              | m | Lbs.                 | kg |   | Inch            | mm |                              | Inch       | mm |               |                    | pF/Ft.              | pF/m | MHz                 | dB/ 100 Ft. | dB/ 100m |

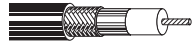
### Thinnet 10Base2 Ethernet • 20 AWG Stranded (19x32) .037" Conductor • Duobond® II + Overall TC Braid Shield (93% Coverage)

| Non-plenum • Foam Polyethylene Insulation • Gray PVC Jacket   |             |      |        |         |      |      |         |      |      |             |      |      |    |     |      |      |      |      |      |      |
|---|-------------|------|--------|---------|------|------|---------|------|------|-------------|------|------|----|-----|------|------|------|------|------|------|
|  <p>UL AWM Style 1354 (30V 60°C)</p> | <b>9907</b> | NEC: | 500    | 152.4   | 12.5 | 5.7  | 20 AWG  | .102 | 2.59 | Duobond II* | .185 | 4.70 | 50 | 80% | 25.4 | 83.3 | 1    | .4   | 1.4  |      |
|   |             | CL2  | U-1000 | U-304.8 | 24.0 | 10.9 | (19x32) |      |      | + 93%       |      |      |    |     |      |      |      | 10   | 1.3  | 4.3  |
|   |             | CM   | 1000   | 304.8   | 23.0 | 10.4 | .037"   |      |      | TC Braid    |      |      |    |     |      |      |      | 50   | 2.9  | 9.5  |
|   |             | CEC: | 1640   | 500.0   | 41.0 | 18.6 | TC      |      |      | 5.8Ω/M'     |      |      |    |     |      |      |      | 100  | 4.2  | 13.8 |
|   |             | CM   | 2500   | 762.0   | 62.5 | 28.4 | 8.8Ω/M' |      |      | 19.0Ω/km    |      |      |    |     |      |      |      | 200  | 6.1  | 20.0 |
|   |             |      |        |         |      |      |         |      |      |             |      |      |    |     |      |      | 400  | 8.9  | 29.2 |      |
|   |             |      |        |         |      |      |         |      |      |             |      |      |    |     |      |      | 700  | 12.1 | 39.7 |      |
|   |             |      |        |         |      |      |         |      |      |             |      |      |    |     |      |      | 900  | 13.9 | 45.6 |      |
|   |             |      |        |         |      |      |         |      |      |             |      |      |    |     |      |      | 1000 | 14.8 | 48.6 |      |

RG-58A/U Type  
DEC Part No. 17-01248-00

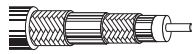
| Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket                                     |              |         |       |       |      |      |         |      |      |             |      |      |    |     |      |      |      |      |      |      |
|--|--------------|---------|-------|-------|------|------|---------|------|------|-------------|------|------|----|-----|------|------|------|------|------|------|
|  <p>150°C</p> | <b>89907</b> | NEC:    | 500   | 152.4 | 11.0 | 5.0  | 20 AWG  | .095 | 2.41 | Duobond II* | .160 | 4.06 | 50 | 80% | 25.4 | 83.3 | 1    | .4   | 1.4  |      |
|  |              | CMP     | 1000† | 304.8 | 22.0 | 10.0 | (19x32) |      |      | + 93%       |      |      |    |     |      |      |      | 10   | 1.3  | 4.3  |
|  |              | CL2P    | 2500† | 762.0 | 60.0 | 27.3 | .037"   |      |      | TC Braid    |      |      |    |     |      |      |      | 50   | 2.9  | 9.5  |
|  |              | CEC:    |       |       |      |      | TC      |      |      | 5.8Ω/M'     |      |      |    |     |      |      |      | 100  | 4.2  | 13.7 |
|  |              | CMP FT6 |       |       |      |      | 8.8Ω/M' |      |      | 19.0Ω/km    |      |      |    |     |      |      |      | 200  | 6.1  | 20.0 |
|  |              |         |       |       |      |      |         |      |      |             |      |      |    |     |      |      | 400  | 9.2  | 30.2 |      |
|  |              |         |       |       |      |      |         |      |      |             |      |      |    |     |      |      | 700  | 12.9 | 42.3 |      |
|  |              |         |       |       |      |      |         |      |      |             |      |      |    |     |      |      | 900  | 15.0 | 49.2 |      |
|  |              |         |       |       |      |      |         |      |      |             |      |      |    |     |      |      | 1000 | 16.0 | 52.5 |      |

RG-58A/U Type  
DEC Part No. 17-01246-00. Suitable for Outdoor applications.

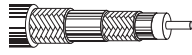
| Plenum • FPFA Insulation • Natural Flamarrest® Jacket   |              |         |          |         |      |      |         |      |      |             |      |      |    |     |      |      |      |      |      |      |
|---|--------------|---------|----------|---------|------|------|---------|------|------|-------------|------|------|----|-----|------|------|------|------|------|------|
|  <p>75°C</p> | <b>82907</b> | NEC:    | 500†     | 152.4   | 11.0 | 5.0  | 20 AWG  | .095 | 2.41 | Duobond II* | .160 | 4.06 | 50 | 80% | 25.4 | 83.3 | 1    | .4   | 1.4  |      |
|   |              | CMP     | U-1000†† | U-304.8 | 23.0 | 10.5 | (19x32) |      |      | + 93%       |      |      |    |     |      |      |      | 10   | 1.3  | 4.3  |
|   |              | CL2P    | 1000†    | 304.8   | 22.0 | 10.0 | .037"   |      |      | TC Braid    |      |      |    |     |      |      |      | 50   | 2.9  | 9.5  |
|   |              | CEC:    | 2500†    | 762.0   | 57.5 | 26.1 | TC      |      |      | 5.8Ω/M'     |      |      |    |     |      |      |      | 100  | 4.2  | 13.7 |
|   |              | CMP FT6 |          |         |      |      | 8.8Ω/M' |      |      | 19.0Ω/km    |      |      |    |     |      |      |      | 200  | 6.1  | 20.0 |
|   |              |         |          |         |      |      |         |      |      |             |      |      |    |     |      |      | 400  | 9.2  | 30.2 |      |
|   |              |         |          |         |      |      |         |      |      |             |      |      |    |     |      |      | 700  | 12.9 | 42.3 |      |
|   |              |         |          |         |      |      |         |      |      |             |      |      |    |     |      |      | 900  | 15.0 | 49.2 |      |
|   |              |         |          |         |      |      |         |      |      |             |      |      |    |     |      |      | 1000 | 16.0 | 52.5 |      |

RG-58A/U Type

### Thicknet 10Base5 Ethernet • 12 AWG Solid .086" Bare Copper Conductor • Duobond IV Quad Shield (100% Coverage)

| Non-plenum • Foam Polyethylene Insulation • Yellow PVC Jacket   |             |      |      |       |       |      |         |      |      |                 |      |       |    |     |      |      |      |     |      |     |
|---|-------------|------|------|-------|-------|------|---------|------|------|-----------------|------|-------|----|-----|------|------|------|-----|------|-----|
|  <p>UL AWM Style 1478 (30V 60°C)</p> | <b>9880</b> | NEC: | 500  | 152.4 | 66.0  | 30.0 | 12 AWG  | .243 | 6.17 | Duobond IV*     | .405 | 10.29 | 50 | 78% | 26.0 | 85.3 | 1    | .2  | .6   |     |
|   |             | CL2  | 1000 | 304.8 | 131.0 | 59.5 | (solid) |      |      | (Duobond II     |      |       |    |     |      |      |      | 5   | .4   | 1.2 |
|   |             | CM   | 1640 | 500.0 | 219.8 | 99.7 | .086"   |      |      | + 94% TC Braid  |      |       |    |     |      |      |      | 10  | .5   | 1.7 |
|   |             | CEC: |      |       |       |      | BC      |      |      | + Duofoil®      |      |       |    |     |      |      |      | 50  | 1.2  | 3.9 |
|   |             | CM   |      |       |       |      | 1.4Ω/M' |      |      | + 90% TC Braid) |      |       |    |     |      |      |      | 100 | 1.7  | 5.6 |
|   |             |      |      |       |       |      |         |      |      |                 |      |       |    |     |      |      | 200  | 2.6 | 8.4  |     |
|   |             |      |      |       |       |      |         |      |      |                 |      |       |    |     |      |      | 400  | 3.9 | 12.8 |     |
|   |             |      |      |       |       |      |         |      |      |                 |      |       |    |     |      |      | 700  | 5.5 | 18.1 |     |
|   |             |      |      |       |       |      |         |      |      |                 |      |       |    |     |      |      | 900  | 6.5 | 21.3 |     |
|   |             |      |      |       |       |      |         |      |      |                 |      |       |    |     |      |      | 1000 | 6.9 | 22.6 |     |

DEC Part No. 17-00451-00  
Ring-band stripes marked every 2.5 meters to aid users in tap placement.

| Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket                                     |              |         |       |       |       |       |         |      |      |                 |      |      |    |     |      |      |      |     |      |     |
|--|--------------|---------|-------|-------|-------|-------|---------|------|------|-----------------|------|------|----|-----|------|------|------|-----|------|-----|
|  <p>150°C</p> | <b>89880</b> | NEC:    | 1000  | 304.8 | 134.0 | 60.9  | 12 AWG  | .245 | 6.22 | Duobond IV*     | .375 | 9.53 | 50 | 78% | 26.0 | 85.3 | 1    | .2  | .6   |     |
|  |              | CL2P    | 1640† | 500.0 | 224.7 | 102.1 | (solid) |      |      | (Duobond II     |      |      |    |     |      |      |      | 5   | .4   | 1.2 |
|  |              | CMP     |       |       |       |       | .086"   |      |      | + 90% TC Braid  |      |      |    |     |      |      |      | 10  | .5   | 1.7 |
|  |              | CEC:    |       |       |       |       | BC      |      |      | + Duofoil       |      |      |    |     |      |      |      | 50  | 1.2  | 3.8 |
|  |              | CMP FT6 |       |       |       |       | 1.4Ω/M' |      |      | + 90% TC Braid) |      |      |    |     |      |      |      | 100 | 1.7  | 5.4 |
|  |              |         |       |       |       |       |         |      |      |                 |      |      |    |     |      |      | 200  | 2.5 | 8.0  |     |
|  |              |         |       |       |       |       |         |      |      |                 |      |      |    |     |      |      | 400  | 3.8 | 12.5 |     |
|  |              |         |       |       |       |       |         |      |      |                 |      |      |    |     |      |      | 700  | 5.6 | 18.4 |     |
|  |              |         |       |       |       |       |         |      |      |                 |      |      |    |     |      |      | 900  | 6.8 | 22.3 |     |
|  |              |         |       |       |       |       |         |      |      |                 |      |      |    |     |      |      | 1000 | 7.2 | 23.6 |     |

DEC Part No. 17-00324-00  
Ring-band stripes marked every 2.5 meters to aid users in tap placement.  
Suitable for Outdoor and Direct Burial applications.

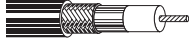

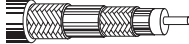
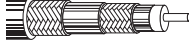
BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • FPFA = Foam Perfluoroalkoxy • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.  
For cable manufactured to latest government revision or other MIL-SPEC requirements, please contact your nearest Belden Regional Sales Office.

\* Duobond II = Bonded Duofoil® (100% coverage) + aluminum braid (67% coverage).  
Duobond IV = Bonded Duofoil (100% coverage) + aluminum braid (67% coverage) + Duofoil (100% coverage) + aluminum braid (46% coverage).  
† Final put-up length may vary from length shown ±10% for spools and reels, ±5% for UnReel® cartons.  
‡ Length may vary -0/+10%.

# Industrial Data Solutions® — Industrial Ethernet

## Coaxial Cables

| Description  | Part No.     | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |         | Standard Unit Weight |       | Conductor<br>(stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |      | Shielding<br>Materials<br>Nom. DCR | Nominal OD |       | Nom. Imp.<br>(Ω) | Nom. Vel.<br>of Prop. | Nominal Capacitance |      | Nominal Attenuation |                |             |           |
|--|--------------|------------------------------|------------------|---------|----------------------|-------|--|-----------------|------|------------------------------------|------------|-------|------------------|-----------------------|---------------------|------|---------------------|----------------|-------------|-----------|
|  |              |                              | Ft.              | m       | Lbs.                 | kg    |  | Inch            | mm   |                                    | Inch       | mm    |                  |                       | pF/Ft.              | pF/m | MHz                 | dB/<br>100 Ft. | dB/<br>100m |           |
| <b>Thinnet 10Base2 Ethernet • 20 AWG</b> Stranded (19x32) .037" TC Conductor • Duobond® II (100% Coverage) + TC Braid (93% Coverage)                         |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     |      |                     |                |             |           |
| <b>Foam Polyethylene Insulation • Gray PVC Jacket</b>  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     |      |                     |                |             |           |
| UL AWM<br>Style 1354<br>(30V 60°C)<br>                                      | <b>9907</b>  | NEC:                         | 500              | 152.4   | 12.5                 | 5.7   | 20 AWG   | .102            | 2.59 | Duobond II                         | .185       | 4.70  | 50               | 80%                   | 25.4                | 83.3 | 1                   | .43            | 1.4         |           |
|  |              | CL2                          | U-1000           | U-304.8 | 25.0                 | 11.4  | (19x32)  |                 |      | + 93%                              |            |       |                  |                       |                     |      |                     | 10             | 1.30        | 4.3       |
|  |              | CM                           | 1000             | 304.8   | 25.0                 | 11.4  | .037"  |                 |      | TC Braid                           |            |       |                  |                       |                     |      |                     | 50             | 2.90        | 9.5       |
|  |              | CEC:                         | 1640             | 500.0   | 41.0                 | 18.6  | TC   |                 |      | 5.8Ω/M'                            |            |       |                  |                       |                     |      |                     | 100            | 4.20        | 13.8      |
|  |              | CM                           | U-2500           | U-762.0 | 60.0                 | 27.3  | 8.8Ω/M'  |                 |      | 19.0Ω/km                           |            |       |                  |                       |                     |      |                     | 200            | 6.10        | 20.0      |
|  |              |                              | 2500             | 762.0   | 62.5                 | 28.4  | 28.9Ω/km   |                 |      |                                    |            |       |                  |                       |                     |      |                     | 400            | 8.90        | 29.2      |
|  | 3280         | 1000.0                       | 82.0             | 37.3    |                      |       |  |                 |      |                                    |            |       |                  |                       |                     | 700  | 12.10               | 39.7           |             |           |
|  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     | 900  | 13.90               | 45.6           |             |           |
|  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     | 1000 | 14.80               | 48.6           |             |           |
| DEC Part No. 17-01248-00   |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     |      |                     |                |             |           |
| <b>Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket</b>  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     |      |                     |                |             |           |
| 150°C<br>   | <b>89907</b> | NEC:                         | 500              | 152.4   | 13.0                 | 5.7   | 20 AWG   | .095            | 2.41 | Duobond II                         | .160       | 4.06  | 50               | 80%                   | 25.4                | 83.3 | 1                   | .43            | 1.4         |           |
|  |              | CL2P                         | 1000             | 304.8   | 24.0                 | 10.9  | (19x32)  |                 |      | + 93%                              |            |       |                  |                       |                     |      |                     | 10             | 1.30        | 4.3       |
|  |              | CMP                          | 2500†            | 762.0   | 60.0                 | 27.3  | .037"  |                 |      | TC Braid                           |            |       |                  |                       |                     |      |                     | 50             | 2.90        | 9.5       |
|  |              | CEC:                         |                  |         |                      |       | TC   |                 |      | 5.8Ω/M'                            |            |       |                  |                       |                     |      |                     | 100            | 4.18        | 13.8      |
|  |              | CMP FT6                      |                  |         |                      |       | 8.8Ω/M'  |                 |      | 19.0Ω/km                           |            |       |                  |                       |                     |      |                     | 200            | 6.10        | 20.0      |
|  |              |                              |                  |         |                      |       | 28.9Ω/km   |                 |      |                                    |            |       |                  |                       |                     |      |                     | 400            | 9.20        | 30.2      |
|  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     | 700  | 12.90               | 42.3           |             |           |
|  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     | 900  | 15.00               | 49.2           |             |           |
|  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     | 1000 | 16.00               | 52.5           |             |           |
| RG-58/U Type<br>DEC Part No. 17-01246-00<br>Suitable for Outdoor and Direct Burial applications.   |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     |      |                     |                |             |           |
| <b>Thicknet 10Base5 Ethernet • 12 AWG</b> Solid .086" Bare Copper Conductor • Duobond IV* Quad Shield (100% Coverage)  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     |      |                     |                |             |           |
| <b>Foam Polyethylene Insulation • Yellow PVC Jacket</b>  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     |      |                     |                |             |           |
| UL AWM<br>Style 1478<br>(30V 60°C)<br>                                    | <b>9880</b>  | NEC:                         | 500              | 152.4   | 66.0                 | 30.0  | 12 AWG   | .243            | 6.17 | Duobond IV                         | .405       | 10.29 | 50               | 78%                   | 26.0                | 85.0 | 1                   | .19            | .62         |           |
|  |              | CL2                          | 1000             | 304.8   | 131.0                | 59.5  | (solid)  |                 |      | (Duobond II                        |            |       |                  |                       |                     |      |                     | 5              | .37         | 1.21      |
|  |              | CM                           | 1640             | 500.0   | 219.0                | 99.9  | .086"  |                 |      | + 94% TC Braid                     |            |       |                  |                       |                     |      |                     | 10             | .52         | 1.71      |
|  |              | CEC:                         |                  |         |                      |       | BC   |                 |      | + Duofoil®                         |            |       |                  |                       |                     |      |                     | 50             | 1.20        | 3.94      |
|  |              | CM                           |                  |         |                      |       | 1.4Ω/M'  |                 |      | + 90% TC                           |            |       |                  |                       |                     |      |                     | 100            | 1.70        | 5.58      |
|  |              |                              |                  |         |                      |       | 4.7Ω/km  |                 |      | Braid)                             |            |       |                  |                       |                     |      |                     | 200            | 2.55        | 8.37      |
|  |              |                              |                  |         |                      |       |  | 1.5Ω/M'         |      |                                    |            |       |                  |                       |                     | 400  | 3.90                | 12.80          |             |           |
|  |              |                              |                  |         |                      |       |  | 5.0Ω/km         |      |                                    |            |       |                  |                       |                     | 700  | 5.50                | 18.10          |             |           |
|  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     | 900  | 6.50                | 21.30          |             |           |
|  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     | 1000 | 6.90                | 22.60          |             |           |
| DEC Part No. 17-00451-00<br>Ring-band stripes marked every 2.5 meters to aid users in tap placement.   |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     |      |                     |                |             |           |
| <b>Plenum • Foam FEP Insulation • Orange Fluorocopolymer Jacket</b>  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     |      |                     |                |             |           |
| 150°C<br>   | <b>89880</b> | NEC:                         | 1000             | 304.8   | 134.0                | 60.9  | 12 AWG   | .245            | 6.22 | Duobond IV                         | .375       | 9.53  | 50               | 78%                   | 26.0                | 85.0 | 1                   | .18            | .59         |           |
|  |              | CL2P                         | 1640†            | 500.0   | 224.7                | 102.1 | (solid)  |                 |      | (Duobond II                        |            |       |                  |                       |                     |      |                     | 5              | .37         | max. 1.21 |
|  |              | CMP                          |                  |         |                      |       | .086"  |                 |      | + 90% TC Braid                     |            |       |                  |                       |                     |      |                     | 10             | .52         | max. 1.71 |
|  |              | CEC:                         |                  |         |                      |       | BC   |                 |      | + Duofoil                          |            |       |                  |                       |                     |      |                     | 50             | 1.15        | 3.77      |
|  |              | CMP FT6                      |                  |         |                      |       | 1.4Ω/M'  |                 |      | + 90% TC                           |            |       |                  |                       |                     |      |                     | 100            | 1.65        | 5.41      |
|  |              |                              |                  |         |                      |       | 4.7Ω/km  |                 |      | Braid)                             |            |       |                  |                       |                     |      |                     | 200            | 2.45        | 8.04      |
|  |              |                              |                  |         |                      |       |  | 1.5Ω/M'         |      |                                    |            |       |                  |                       |                     | 400  | 3.80                | 12.50          |             |           |
|  |              |                              |                  |         |                      |       |  | 5.0Ω/km         |      |                                    |            |       |                  |                       |                     | 700  | 5.60                | 18.40          |             |           |
|  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     | 900  | 6.80                | 22.30          |             |           |
|  |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     | 1000 | 7.20                | 23.60          |             |           |
| DEC Part No. 17-00324-00<br>Ring-band stripes marked every 2.5 meters to aid users in tap placement.<br>Suitable for Outdoor and Direct Burial applications. |              |                              |                  |         |                      |       |  |                 |      |                                    |            |       |                  |                       |                     |      |                     |                |             |           |

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

\*Duobond IV = Duobond II + 94% tinned copper braid + Duofoil® + 90% tinned copper braid.

(Plenum version is Duobond II + 90% tinned copper braid + Duofoil + 90% tinned copper braid.)

† Spools and/or UnReel® cartons are one piece, but length may vary ±10% from length shown.