

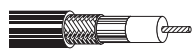
# Computer and Instrumentation Cable

## 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 |

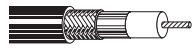
**Thinnet 10Base2 Ethernet • 20 AWG Stranded (19x32) .037" Conductor • Duobond® II + Overall TC Braid Shield (93% Coverage)**

**Non-plenum • Foam Polyethylene Insulation • Gray PVC Jacket**

|   |                              |             |      |        |         |      |      |                |      |      |                            |      |      |    |     |      |      |   |    |     |     |      |      |
|---|------------------------------|-------------|------|--------|---------|------|------|----------------|------|------|----------------------------|------|------|----|-----|------|------|---|----|-----|-----|------|------|
|  | UL AWM Style 1354 (30V 60°C) | <b>9907</b> | NEC: | 500    | 152.4   | 12.5 | 5.7  | 20 AWG (19x32) | .102 | 2.59 | Duobond II* + 93% TC Braid | .185 | 4.70 | 50 | 80% | 25.4 | 83.3 | 1 | .4 | 1.4 |     |      |      |
|   |                              |             | CL2  | U-1000 | U-304.8 | 24.0 | 10.9 | .037"          |      |      |                            |      |      |    |     |      |      |   | 10 | 1.3 | 4.3 |      |      |
|   |                              |             | CM   | 1000   | 304.8   | 23.0 | 10.4 |                |      |      |                            |      |      |    |     |      |      |   |    | 50  | 2.9 | 9.5  |      |
|   |                              |             | CEC: | 1640   | 500.0   | 41.0 | 18.6 | TC             |      |      |                            |      |      |    |     |      |      |   |    | 100 | 4.2 | 13.8 |      |
|   |                              |             | CM   | 2500   | 762.0   | 62.5 | 28.4 | 8.8Ω/M'        |      |      |                            |      |      |    |     |      |      |   |    |     | 200 | 6.1  | 20.0 |
|   |                              |             |      | 3280   | 1000.0  | 82.0 | 37.3 | 28.9Ω/km       |      |      |                            |      |      |    |     |      |      |   |    |     | 400 | 8.9  | 29.2 |

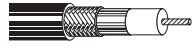
RG-58A/U Type  
DEC Part No. 17-01248-00

**Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket**

|   |       |              |         |       |       |      |      |                |      |      |                            |      |      |    |     |      |      |   |    |     |     |      |      |
|---|-------|--------------|---------|-------|-------|------|------|----------------|------|------|----------------------------|------|------|----|-----|------|------|---|----|-----|-----|------|------|
|  | 150°C | <b>89907</b> | NEC:    | 500   | 152.4 | 11.0 | 5.0  | 20 AWG (19x32) | .095 | 2.41 | Duobond II* + 93% TC Braid | .160 | 4.06 | 50 | 80% | 25.4 | 83.3 | 1 | .4 | 1.4 |     |      |      |
|   |       |              | CMP     | 1000† | 304.8 | 22.0 | 10.0 | .037"          |      |      |                            |      |      |    |     |      |      |   |    | 10  | 1.3 | 4.3  |      |
|   |       |              | CL2P    | 2500† | 762.0 | 60.0 | 27.3 |                |      |      |                            |      |      |    |     |      |      |   |    | 50  | 2.9 | 9.5  |      |
|   |       |              | CEC:    |       |       |      |      | TC             |      |      |                            |      |      |    |     |      |      |   |    | 100 | 4.2 | 13.7 |      |
|   |       |              | CMP FT6 |       |       |      |      | 8.8Ω/M'        |      |      |                            |      |      |    |     |      |      |   |    |     | 200 | 6.1  | 20.0 |
|   |       |              |         |       |       |      |      | 28.9Ω/km       |      |      |                            |      |      |    |     |      |      |   |    |     | 400 | 9.2  | 30.2 |

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

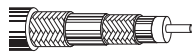
**Plenum • FPFA Insulation • Natural Flamarrest® Jacket**

|   |      |              |         |          |         |      |      |                |      |      |                            |      |      |    |     |      |      |   |    |     |     |      |      |
|---|------|--------------|---------|----------|---------|------|------|----------------|------|------|----------------------------|------|------|----|-----|------|------|---|----|-----|-----|------|------|
|  | 75°C | <b>82907</b> | NEC:    | 500†     | 152.4   | 11.0 | 5.0  | 20 AWG (19x32) | .095 | 2.41 | Duobond II* + 93% TC Braid | .160 | 4.06 | 50 | 80% | 25.4 | 83.3 | 1 | .4 | 1.4 |     |      |      |
|   |      |              | CMP     | U-1000†† | U-304.8 | 23.0 | 10.5 | .037"          |      |      |                            |      |      |    |     |      |      |   |    | 10  | 1.3 | 4.3  |      |
|   |      |              | CL2P    | 1000†    | 304.8   | 22.0 | 10.0 |                |      |      |                            |      |      |    |     |      |      |   |    | 50  | 2.9 | 9.5  |      |
|   |      |              | CEC:    | 2500†    | 762.0   | 57.5 | 26.1 | TC             |      |      |                            |      |      |    |     |      |      |   |    | 100 | 4.2 | 13.7 |      |
|   |      |              | CMP FT6 |          |         |      |      | 8.8Ω/M'        |      |      |                            |      |      |    |     |      |      |   |    |     | 200 | 6.1  | 20.0 |
|   |      |              |         |          |         |      |      | 28.9Ω/km       |      |      |                            |      |      |    |     |      |      |   |    |     | 400 | 9.2  | 30.2 |

RG-58A/U Type

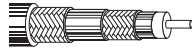
**Thicknet 10Base5 Ethernet • 12 AWG Solid .086" Bare Copper Conductor • Duobond IV Quad Shield (100% Coverage)**

**Non-plenum • Foam Polyethylene Insulation • Yellow PVC Jacket**

|   |                              |             |      |      |       |       |      |                |      |      |   |      |       |    |     |      |      |   |    |     |     |     |
|---|------------------------------|-------------|------|------|-------|-------|------|----------------|------|------|---|------|-------|----|-----|------|------|---|----|-----|-----|-----|
|  | UL AWM Style 1478 (30V 60°C) | <b>9880</b> | NEC: | 500  | 152.4 | 66.0  | 30.0 | 12 AWG (solid) | .243 | 6.17 | Duobond IV* (Duobond II + 94% TC Braid + Duofoil® + 90% TC Braid) | .405 | 10.29 | 50 | 78% | 26.0 | 85.3 | 1 | .2 | .6  |     |     |
|   |                              |             | CL2  | 1000 | 304.8 | 131.0 | 59.5 | .086"          |      |      |   |      |       |    |     |      |      |   |    | 5   | .4  | 1.2 |
|   |                              |             | CM   | 1640 | 500.0 | 219.8 | 99.7 |                |      |      |   |      |       |    |     |      |      |   |    | 10  | .5  | 1.7 |
|   |                              |             | CEC: |      |       |       |      | BC             |      |      |   |      |       |    |     |      |      |   |    | 50  | 1.2 | 3.9 |
|   |                              |             | CM   |      |       |       |      | 1.4Ω/M'        |      |      |   |      |       |    |     |      |      |   |    | 100 | 1.7 | 5.6 |
|   |                              |             |      |      |       |       |      | 4.7Ω/km        |      |      |   |      |       |    |     |      |      |   |    | 200 | 2.6 | 8.4 |

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**

|   |       |              |         |       |       |       |       |                |      |      |  |      |      |    |     |      |      |   |    |     |     |     |
|---|-------|--------------|---------|-------|-------|-------|-------|----------------|------|------|--|------|------|----|-----|------|------|---|----|-----|-----|-----|
|  | 150°C | <b>89880</b> | NEC:    | 1000  | 304.8 | 134.0 | 60.9  | 12 AWG (solid) | .245 | 6.22 | Duobond IV* (Duobond II + 90% TC Braid + Duofoil + 90% TC Braid) | .375 | 9.53 | 50 | 78% | 26.0 | 85.3 | 1 | .2 | .6  |     |     |
|   |       |              | CL2P    | 1640† | 500.0 | 224.7 | 102.1 | .086"          |      |      |  |      |      |    |     |      |      |   |    | 5   | .4  | 1.2 |
|   |       |              | CMP     |       |       |       |       | BC             |      |      |  |      |      |    |     |      |      |   |    | 10  | .5  | 1.7 |
|   |       |              | CEC:    |       |       |       |       | 1.4Ω/M'        |      |      |  |      |      |    |     |      |      |   |    | 50  | 1.2 | 3.8 |
|   |       |              | CMP FT6 |       |       |       |       | 4.7Ω/km        |      |      |  |      |      |    |     |      |      |   |    | 100 | 1.7 | 5.4 |
|   |       |              |         |       |       |       |       |                |      |      |  |      |      |    |     |      |      |   |    | 200 | 2.5 | 8.0 |

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%.

# IEEE 802.3 • ISO/IEC 8802.3 10Base2 and 10Base5

## Trunk Cables — Thinnet and Thicknet

| 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 |

### Thinnet 10Base2 • 20 AWG Stranded (19x32) .037" Tinned Copper Conductors • Duobond® II + Tinned Copper Braid Shield (93% Coverage)

#### Non-Plenum • Ethernet • Foam HDPE Insulation • Gray PVC Jacket

|                                    |             |                               |   |   |  |   |                            |              |      |   |              |           |              |     |              |  |  |   |
|------------------------------------|-------------|-------------------------------|---|---|--|---|----------------------------|--------------|------|---|--------------|-----------|--------------|-----|--------------|--|--|---|
| UL AWM<br>Style 1354<br>(30V 60°C) | <b>9907</b> | NEC:<br>CL2, CM<br>CEC:<br>CM | 500<br>U-1000<br>1000<br>1640<br>2500<br>3280 | 152.4<br>U-304.8<br>304.8<br>500.0<br>762.0<br>1000.0 | 12.5<br>25.0<br>25.0<br>41.0<br>62.5<br>82.0 | 5.7<br>11.4<br>11.4<br>18.6<br>28.4<br>37.3 | 20 AWG<br>(19x32)<br>.037" | .102<br>2.59 | 2.59 | Duobond II<br>+ 93%<br>Tinned<br>Copper<br>Braid<br>5.8Ω/M' | .185<br>4.70 | 50<br>80% | 25.4<br>83.3 | 80% | 25.4<br>83.3 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .43<br>1.30<br>2.90<br>4.20<br>6.10<br>8.90<br>12.10<br>13.90<br>14.80 | 1.4<br>4.3<br>9.5<br>13.8<br>20.0<br>29.2<br>39.7<br>45.6<br>48.6 |
|------------------------------------|-------------|-------------------------------|---|---|--|---|----------------------------|--------------|------|---|--------------|-----------|--------------|-----|--------------|--|--|---|

For Plenum versions of 9907, see 89907 or 82907.

DEC Part No. 17-01248-00

#### Plenum Ethernet • Foam FEP Insulation • Natural Flamarrest® Jacket

|           |              |                                     |                                  |                                    |                              |                             |                            |              |      |   |              |           |              |     |              |  |  |   |
|-----------|--------------|-------------------------------------|----------------------------------|------------------------------------|------------------------------|-----------------------------|----------------------------|--------------|------|---|--------------|-----------|--------------|-----|--------------|--|--|---|
| 300V 75°C | <b>82907</b> | NEC:<br>CL2P,<br>CMP<br>CEC:<br>CMP | 500†<br>U-1000<br>1000†<br>2500† | 152.4<br>U-304.8<br>304.8<br>762.0 | 12.5<br>23.0<br>24.0<br>57.5 | 5.7<br>10.9<br>10.9<br>26.1 | 20 AWG<br>(19x32)<br>.037" | .095<br>2.41 | 2.41 | Duobond II<br>+ 93%<br>Tinned<br>Copper<br>Braid<br>5.8Ω/M' | .160<br>4.06 | 50<br>80% | 25.4<br>83.3 | 80% | 25.4<br>83.3 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .43<br>1.30<br>2.90<br>4.20<br>6.10<br>9.20<br>12.90<br>15.00<br>16.00 | 1.4<br>4.3<br>9.5<br>13.8<br>20.0<br>30.2<br>42.3<br>49.2<br>52.5 |
|-----------|--------------|-------------------------------------|----------------------------------|------------------------------------|------------------------------|-----------------------------|----------------------------|--------------|------|---|--------------|-----------|--------------|-----|--------------|--|--|---|

#### Plenum Ethernet • Foam FEP Insulation • Gray Fluorocopolymer Jacket

|            |               |                                     |                                  |                                    |                              |                             |                            |              |      |   |              |           |              |     |              |  |  |   |
|------------|---------------|-------------------------------------|----------------------------------|------------------------------------|------------------------------|-----------------------------|----------------------------|--------------|------|---|--------------|-----------|--------------|-----|--------------|--|--|---|
| 300V 150°C | <b>89907†</b> | NEC:<br>CL2P,<br>CMP<br>CEC:<br>CMP | 500†<br>U-1000<br>1000†<br>2500† | 152.4<br>U-304.8<br>304.8<br>762.0 | 12.5<br>24.0<br>24.0<br>60.0 | 5.7<br>10.9<br>10.9<br>27.3 | 20 AWG<br>(19x32)<br>.037" | .095<br>2.41 | 2.41 | Duobond II<br>+ 93%<br>Tinned<br>Copper<br>Braid<br>5.8Ω/M' | .160<br>4.06 | 50<br>80% | 25.4<br>83.3 | 80% | 25.4<br>83.3 | 1<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .43<br>1.30<br>2.90<br>4.20<br>6.10<br>9.20<br>12.90<br>15.00<br>16.00 | 1.4<br>4.3<br>9.5<br>13.8<br>20.0<br>30.2<br>42.3<br>49.2<br>52.5 |
|------------|---------------|-------------------------------------|----------------------------------|------------------------------------|------------------------------|-----------------------------|----------------------------|--------------|------|---|--------------|-----------|--------------|-----|--------------|--|--|---|

DEC Part No. 17-01246-00

Suitable for Outdoor and Direct Burial applications.

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

#### Non-Plenum • Ethernet • Foam Polyethylene Insulation • Yellow PVC Jacket

|                                    |             |                               |                     |                         |                        |                      |                            |              |      |  |               |           |              |     |              |   |   |   |
|------------------------------------|-------------|-------------------------------|---------------------|-------------------------|------------------------|----------------------|----------------------------|--------------|------|--|---------------|-----------|--------------|-----|--------------|---|---|---|
| UL AWM<br>Style 1478<br>(30V 60°C) | <b>9880</b> | NEC:<br>CL2, CM<br>CEC:<br>CM | 500<br>1000<br>1640 | 152.4<br>304.8<br>500.0 | 66.0<br>131.0<br>219.8 | 30.0<br>59.5<br>99.9 | 12 AWG<br>(solid)<br>.086" | .243<br>6.17 | 6.17 | Duobond IV<br>(Duobond II<br>+ 94%<br>TC Braid<br>+ Duofoil®<br>+ 90%<br>TC Braid)<br>1.52Ω/M' | .405<br>10.29 | 50<br>78% | 26.0<br>85.0 | 78% | 26.0<br>85.0 | 1<br>5<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .19▲<br>.37▲<br>.52▲<br>1.20▲<br>1.70▲<br>2.55▲<br>3.90▲<br>5.50▲<br>6.50▲<br>6.90▲ | .62<br>1.21<br>1.71<br>3.94<br>5.58<br>8.37<br>12.80<br>18.10<br>21.30<br>22.60 |
|------------------------------------|-------------|-------------------------------|---------------------|-------------------------|------------------------|----------------------|----------------------------|--------------|------|--|---------------|-----------|--------------|-----|--------------|---|---|---|

For Plenum version of 9880, see 89880.

DEC Part No. 17-00451-00

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

#### Plenum Ethernet • Foam FEP Insulation • Orange Fluorocopolymer Jacket

|       |              |                                     |                |                |                |               |                            |              |      |   |              |           |              |     |              |   |   |   |
|-------|--------------|-------------------------------------|----------------|----------------|----------------|---------------|----------------------------|--------------|------|---|--------------|-----------|--------------|-----|--------------|---|---|---|
| 150°C | <b>89880</b> | NEC:<br>CL2P,<br>CMP<br>CEC:<br>CMP | 1000†<br>1640† | 304.8<br>500.0 | 134.0<br>224.7 | 60.9<br>102.1 | 12 AWG<br>(solid)<br>.086" | .245<br>6.22 | 6.22 | Duobond IV<br>(Duobond II<br>+ 94%<br>TC Braid<br>+ Duofoil<br>+ 90%<br>TC Braid)<br>1.52Ω/M' | .375<br>9.53 | 50<br>78% | 26.0<br>85.0 | 78% | 26.0<br>85.0 | 1<br>5<br>10<br>50<br>100<br>200<br>400<br>700<br>900<br>1000 | .18<br>.37▲<br>.52▲<br>1.15<br>1.65<br>2.45<br>3.80<br>5.60<br>6.80<br>7.20 | .59<br>1.21<br>1.71<br>3.77<br>5.41<br>8.04<br>12.50<br>18.40<br>22.30<br>23.60 |
|-------|--------------|-------------------------------------|----------------|----------------|----------------|---------------|----------------------------|--------------|------|---|--------------|-----------|--------------|-----|--------------|---|---|---|

DEC Part No. 17-00324-00

Suitable for Outdoor and Direct Burial applications.

Ring-band stripes marked every 2.5 meters to aid users in tap placement.

DCR = DC Resistance • HDPE = High-density Polyethylene • TC = Tinned Copper

\* Duobond IV = Duobond II (100% coverage) + tinned copper braid (90% coverage) + Duofoil® (100% coverage) + tinned copper braid (90% coverage).

Plenum version is Duobond II (100% coverage) + tinned copper braid (94% coverage) + Duofoil (100% coverage) + tinned copper braid (90% coverage).

† Spools are one piece, but length may vary ±10% from length shown.

▲Maximum Attenuation

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

## PLC/DCS Cable Cross Reference Guide

| PLC/DCS Manufacturer   | System Name                             | Belden Part Number   |
|--|---|--|
| ABB/Bailey Controls  | FOUNDATION Fieldbus                     | See Protocol listings on page 8.6                                    |
|  | Industrial IT 800 X A                   | <b>9880</b> Network Trunk Cable                                      |
|  | Infinet                                 | <b>9880</b> Network Trunk Cable<br><b>9463</b> Blue Hose® (Standard) |
|  | Masterpiece 200                         | <b>9880</b> Network Trunk Cable                                      |
|  |   | <b>9907</b> Thin Network Trunk Cable                                 |
|  | MICRO-DCI                               | <b>3105A</b> 1-Pair, RS-485  |
|  | MICROLINK                               | <b>9860</b> Twinax, 16 AWG, 124 Ohm                                  |
|  | Modcell                                 | <b>3105A</b> 1-Pair, RS-485  |
|  | Profibus DP & PA                        | See Protocol listings on page 8.6                                    |
|  | Allen-Bradley/Rockwell Automation       | ControlNet™  |
| DeviceNet™   |   | See Protocol listings on page 8.6                                    |
| DH, DH+, Remote I/O  |   | <b>9463</b> Blue Hose (Standard)                                     |
|  |   | <b>9463F</b> Flexible Version (9463)                                 |
|  |   | <b>129463</b> Aluminum Armor (9463)                                  |
|  |   | <b>139463</b> Steel Armor (9463)                                     |
|  |   | <b>189463</b> Continuous Armor (9463)                                |
|  |   | <b>YR28826</b> Dual Version (9463)                                   |
|  |   | <b>YC39151</b> Dual Armored (9463)                                   |
|  |   | <b>9463DB</b> Direct Burial (9463)                                   |
|  |   | <b>YR29565</b> Various Color Jackets (9463)                          |
|  |   | <b>3072F</b> 600V TC Rated (9463)                                    |
| <b>YR41104</b> Low Smoke, Halogen Free                               |   |  |
| <b>YR28764</b> Super Thick (PLTC)                                    |   |  |
| <b>89463</b> FEP 200°C, Plenum                                       |   |  |
| DH-485   |   | <b>3074F</b> 600V Tray Cable   |
|  |   | <b>3106A</b> 1.5-Pair, RS-485 (PLTC)                                 |
|  |   | <b>9842</b> 2-Pair, RS-485   |
|  |   | <b>YM39500</b> Flexible Version (3106A)                              |
| Industrial Ethernet  |   | See Protocol listings on page 8.6                                    |
| Longline Communications  |   | <b>8723</b> Interface Cable  |
|  |   | <b>88723</b> Plenum Version  |
| Cutler-Hammer/Westinghouse   |   | IMPACC System  |
|  | I/O System                              | <b>9463</b> Blue Hose (Standard)                                     |
| Emerson Process Management<br>(Fisher/Rosemont Systems) —<br>Delta V | DeviceNet                               | See Protocol listings on page 8.6                                    |
|  | FOUNDATION Fieldbus (Type SP50 ISA/IEC) | See Protocol listings on page 8.6                                    |
|  | HART                                    | See Protocol listings on page 8.6                                    |
|  | Industrial Ethernet                     | See Protocol listings on page 8.6                                    |
|  | Modbus                                  | See Protocol listings on page 8.6                                    |
|  | Profibus DP                             | See Protocol listings on page 8.6                                    |
|  | Provox Plus                             | <b>3091A</b> RG-11 Quad Shield PVC                                   |
|  |   | <b>3131A</b> RG-6 Quad Shield PVC                                    |
|  | RS-485                                  | See Protocol listings on page 8.6                                    |
|  | GE Fanuc — I/O Bus                      | DeviceNet  |
| Genius   |   | <b>YR29841</b> PLTC Version  |
| 9030, 9070 PAC System  |   | <b>9182</b> Communications Bus<br><b>89182</b> Plenum Version        |
| Interbus®-S  |   | See Protocol listings on page 8.6                                    |
| Modbus®  |   | See Protocol listings on page 8.6                                    |
| Profibus   |   | See Protocol listings on page 8.6                                    |

| PLC/DCS Manufacturer                       | System Name                                   | Belden Part Number                                    |
|--|---|---|
| GE Fanuc — Sensor Device Networks          | DeviceNet                                     | See Protocol listings on page 8.6                     |
|  | SDS   | See Protocol listings on page 8.6                     |
| Honeywell                                  | Access 4000 System                            | <b>9248</b> RG-6 PVC                                  |
|  | FOUNDATION Fieldbus (Type SP50 ISA/IEC)       | See Protocol listings on page 8.6                     |
|  | IPC 620 System I/O                            | <b>9271</b> Twinax, 25 AWG, 124 Ohm                   |
|  | IPC 620 System                                | <b>9729</b> Up to 4,000 ft.                           |
|  | Serial Interface                              | <b>9182</b> Up to 10,000 ft.                          |
|  |   | <b>89182</b> Plenum                                   |
|  | Series C                                      | <b>RS-485</b> Foundation Fieldbus Industrial Ethernet |
| 3000 UCN & LCN                             | <b>3131A</b> RG-6 Quad Shield PVC             |   |
|  | <b>3094A</b> RG-11 Quad Shield PVC            |   |
| Honeywell Microswitch Division             | Smart Distributed System                      | <b>3086A</b> Mini<br><b>3087A</b> Micro               |
|  | FOUNDATION Fieldbus (Type SP50 ISA/IEC)       | See Protocol listings on page 8.6                     |
| Invensys/Foxboro                           | I/A Series Carrier Band                       | <b>8233</b> Small Trunk                               |
|  |   | <b>3095A</b> Plenum                                   |
|  |   | <b>9290</b> Drop Cable                                |
|  | I/A Series Fieldbus                           | <b>9207</b> Twinax                                    |
|  |   | <b>89207</b> 200°C, Plenum                            |
|  |   | <b>3073F</b> 600V Tray Cable                          |
|  | I/A Series Node Bus                           | <b>9880</b> Trunk Cable                               |
|  |   | <b>89880</b> Plenum Version                           |
|  | Industrial Ethernet                           | See Protocol listings on page 8.6                     |
|  | Limitorque                                    | DCC100  |
| Matsushita                                 |   | FP Series C-NET                                       |
|  | <b>9860</b> Twinax, 16 AWG, Solid, 124 Ohm    |   |
|  | FP Series MEWNET-F                            | <b>9207</b> Twinax, 20 AWG, Stranded, 100 Ohm         |
|  |   | <b>9860</b> Twinax, 16 AWG, Solid, 124 Ohm            |
|  | FP Series MEWNET-H                            | <b>9248</b> RG-6, 75 Ohm, 18 AWG                      |
|  | FP Series MEWNET-TR                           | <b>9207</b> Twinax, 20 AWG, Stranded, 100 Ohm         |
|  |   | <b>9860</b> Twinax, 16 AWG, Solid, 124 Ohm            |
|  | FP Series MEWNET-W                            | <b>9207</b> Twinax, 20 AWG, Stranded, 100 Ohm         |
|  |   | <b>9806</b> 4-Pair, RS-232, RS-422                    |
|  | FP Series MEWNET-W2                           | <b>9207</b> Twinax, 20 AWG, Stranded, 100 Ohm         |
| <b>9860</b> Twinax, 16 AWG, Solid, 124 Ohm |   |   |
| FP Series TRNET                            | <b>9207</b> Twinax, 20 AWG, Stranded, 100 Ohm |   |
|  | <b>9860</b> Twinax, 16 AWG, Solid, 124 Ohm    |   |

FEP = Fluorinated Ethylene-propylene

**PLC/DCS Cable Cross Reference Guide** (continued)

| PLC/DCS Manufacturer                  | System Name                  | Belden Part Number   |  |   |
|---------------------------------------|------------------------------|--|--|---|
| <b>Mitsubishi Electric Automation</b> | <b>CC-Link</b>               | See Protocol listings on page 8.6                          |  |   |
|                                       | <b>DeviceNet</b>             | See Protocol listings on page 8.6                          |  |   |
|                                       | <b>Melsecnet II (10/10H)</b> | <b>1505A</b>   | Precision RG-59/U Coax                           |   |
|                                       |                              | <b>1505F</b>   | High-Flex 1505A                                  |   |
|                                       |                              | <b>1506A</b>   | Plenum Precision RG-59/U, Outdoor, Direct Burial |   |
|                                       |                              | <b>8241</b>  | Standard RG-59/U Coax                            |   |
|                                       |                              | <b>8241F</b>   | High-Flex 8241F                                  |   |
|                                       | <b>Modbus</b>                | See Protocol listings on page 8.6                          |  |   |
|                                       | <b>Profibus DP</b>           | See Protocol listings on page 8.6                          |  |   |
|                                       | <b>Serial Communications</b> | <b>8777</b> Control and Instrumentation Interconnect Cable |  |   |
| <b>Modicon/Schneider AEG</b>          | <b>Industrial Ethernet</b>   | See Protocol listings on page 8.6                          |  |   |
|                                       | <b>Modbus</b>                | <b>8777</b>  | Modem Drop Cable, 22 AWG, 3-Pair                 |   |
|                                       |                              | <b>128777</b>  | Aluminum Armor (8777)                            |   |
|                                       |                              | <b>138777</b>  | Steel Armor (8777)                               |   |
|                                       |                              | <b>88777</b>   | FEP 200°C, Plenum                                |   |
|                                       | <b>Modbus II</b>             | <b>3092A</b>   | RG-6 Quad Shield PVC                             |   |
|                                       |                              | <b>3132A</b>   | RG-6 Quad Shield, 150°C, Plenum                  |   |
|                                       |                              | <b>3092F</b>   | RG-6 Quad Shield PVC, Flexible Version           |   |
|                                       |                              | <b>123092A</b>   | Aluminum Armor (3092A)                           |   |
|                                       | <b>Modbus Plus</b>           | <b>133092A</b>   | Steel Armor (3092A)                              |   |
|                                       |                              | <b>YM29560</b>   | 24 AWG, 1-Pair, RS-485                           |   |
|                                       |                              | <b>YC39000</b>   | Aluminum Armor (YM29560)                         |   |
|                                       |                              | <b>YC39222</b>   | Steel Armor (YM29560)                            |   |
|                                       | <b>Remote I/O</b>            | <b>YQ29258</b>   | 24 AWG, 1-Pair, 150°C, Plenum                    |   |
|                                       |                              | <b>3092A</b>   | RG-6 Quad Shield PVC                             |   |
|                                       |                              |  | RG-6 Quad Shield PVC, Flexible Version           |   |
|                                       |                              | <b>3092F</b>   | Aluminum Armor (3092A)                           |   |
|                                       |                              |  | Steel Armor (3092A)                              |   |
|                                       |                              | <b>123092A</b>   | Aluminum Armor, RG-6 Quad Shield PVC             |   |
|                                       |                              |  | RG-6 Quad Shield, 150°C, Plenum                  |   |
| <b>3094A</b>                          |                              | RG-11 Quad Shield PVC                                      |  |   |
|                                       |                              | Aluminum Armor (3094A)                                     |  |   |
| <b>123094A</b>                        |                              | Steel Armor (3094A)  |  |   |
|                                       |                              | RG-11 Quad Shield, 150°C, Plenum                           |  |   |
| <b>Omron</b>                          |                              | <b>ComboBus/D (DeviceNet™)</b>                             | See DeviceNet Protocol listings on page 8.6      |   |
|                                       |                              | <b>ComboBus/S</b>  | <b>9409</b>                                      | 18 AWG, 1-Pair, 300V PLTC Control           |
|                                       |                              |  | <b>9318</b>                                      | 18 AWG, 1-Pair, 300V PLTC Control, Shielded |
|                                       |                              |  | <b>3073</b>                                      | 600V Tray Cable, Twinax                     |
|                                       |                              |  | <b>89740</b>                                     | 18 AWG, 1-Pair, 300V, Control               |

| PLC/DCS Manufacturer                  | System Name                                    | Belden Part Number                         |                                   |
|---------------------------------------|--|--|-----------------------------------|
| <b>Omron</b><br>(continued)           | <b>Controller Link</b>                         | <b>9207</b> Twinax                         |                                   |
|                                       |  | <b>89207</b> Twinax, 200°C, Plenum         |                                   |
|                                       |  | <b>9815</b> Twinax, 100 Ohm, Direct Burial |                                   |
|                                       |  | <b>3073F</b> 600V Tray Cable, Twinax       |                                   |
|                                       |  | <b>3073F</b> 600V Tray Cable, Twinax       |                                   |
|                                       | <b>SYSBUS-2</b>                                | <b>3073F</b> 600V Tray Cable, Twinax       |                                   |
|                                       | <b>SYSMAC BUS</b>                              | <b>9841</b> 22 AWG, 1-Pair, RS-485         |                                   |
|                                       |  | <b>3105A</b> 22 AWG, 1-Pair, RS-485        |                                   |
|                                       | <b>SYSMAC LINK</b>                             | <b>9231</b> RG-59U Coax                    |                                   |
|                                       | <b>Phoenix Contact</b>                         | <b>DeviceNet</b>                           | See Protocol listings on page 8.6 |
| <b>Industrial Ethernet</b>            |  | See Protocol listings on page 8.6          |                                   |
| <b>Interbus®-S</b>                    |  | See Protocol listings on page 8.6          |                                   |
| <b>Profibus DP FMS &amp; PA</b>       |  | See Protocol listings on page 8.6          |                                   |
| <b>Reliance/A-B</b>                   | <b>Auto Max Distributed Power</b>              | <b>M98021</b> 2-Fiber Breakout             |                                   |
|                                       |  | <b>I100255</b> 2-Fiber Loose Tube PVC      |                                   |
|                                       |  | <b>I100266</b> 2-Fiber Loose Tube CPE      |                                   |
|                                       | <b>R-Net</b>                                   | <b>9259</b> RG-59 PVC                      |                                   |
| <b>Rotork</b><br><b>Siemens/Moore</b> | <b>Pakscan II E RS-485</b>                     | <b>89259</b> RG-59, 200°C, Plenum          |                                   |
|                                       |  | <b>3105A</b> 22 AWG, 1-Pair, RS-485        |                                   |
|                                       |  | <b>3105A</b> 1-Pair, RS-485                |                                   |
|                                       |  | <b>3106A</b> 1.5-Pair, RS-485              |                                   |
|                                       |  | <b>3107A</b> 2-Pair, RS-485                |                                   |
|                                       | <b>FOUNDATION Fieldbus (Type SP50 ISA/IEC)</b> | <b>FMC (Field Mountable Controller)</b>    | <b>3108A</b> 3-Pair, RS-485       |
|                                       |  |  | <b>3109A</b> 4-Pair, RS-485       |
|                                       |  |  | <b>3109A</b> 4-Pair, RS-485       |
|                                       |  |  | <b>3109A</b> 4-Pair, RS-485       |
|                                       |  |  | <b>3109A</b> 4-Pair, RS-485       |
| <b>FOUNDATION Fieldbus</b>            |  | See Protocol listings on page 8.6          |                                   |
| <b>Hiway</b>                          |  | <b>9860</b> Network Trunk Cable            |                                   |
| <b>Industrial Ethernet</b>            |  | See Protocol listings on page 8.6          |                                   |
| <b>MODULNET</b>                       |  | <b>3094A</b> RG-11 Quad Shield PVC         |                                   |
|                                       |  | <b>3131A</b> RG-6 Quad Shield PVC          |                                   |
| <b>Profibus DP &amp; FMS (Purple)</b> |  | See Protocol listings on page 8.6          |                                   |
| <b>Profibus PA (Blue)</b>             |  | See Protocol listings on page 8.6          |                                   |
| <b>SINEC Series H1</b>                |  | <b>9907</b> Thin Network Trunk Cable       |                                   |
|                                       |  | <b>9880</b> Network Trunk Cable            |                                   |
| <b>SINEC Series H2B</b>               |  | <b>3131A</b> RG-6 Quad Shield              |                                   |
|                                       | <b>3094A</b> RG-11 Quad Shield                 |  |                                   |
| <b>SINEC Series L1</b>                | <b>3107A</b> 2-Pair, RS-485                    |  |                                   |
| <b>SINEC Series L2</b>                | <b>3079A</b> 300V Twinax                       |  |                                   |
| <b>Thicknet Ethernet Trunk</b>        | <b>9880</b> Network Trunk Cable                |  |                                   |
|                                       | <b>129880</b> Aluminum Interlocked Armor Trunk |  |                                   |
|                                       | <b>139880</b> Steel Interlocked Armor Trunk    |  |                                   |
| <b>Thinnet Ethernet Trunk</b>         | <b>9907</b> Thin Network Trunk Cable           |  |                                   |

FEP = Fluorinated Ethylene-propylene

**PLC/DCS Cable Cross Reference Guide** (continued)

| PLC/DCS Manufacturer               | System Name                                       | Belden Part Number                     |                                       |
|------------------------------------|---|--|---------------------------------------|
| <b>Smar</b>                        | <b>FOUNDATION Fieldbus</b><br>(Type SP50 ISA/IEC) | See Protocol listings on page 8.6      |                                       |
|                                    | <b>Industrial Ethernet</b>                        | See Protocol listings on page 8.6      |                                       |
|                                    | <b>Profibus DP FMS &amp; PA</b>                   | See Protocol listings on page 8.6      |                                       |
|                                    | <b>RS-485</b>                                     | See Protocol listings on page 8.6      |                                       |
| <b>Square D/<br/>Schneider AEG</b> | <b>FIP/Fieldbus</b>                               | <b>3079A</b> 22 AWG, 1-Pair, Shielded  |                                       |
|                                    |   | <b>123079A</b> Aluminum Armor (3079A)  |                                       |
|                                    | <b>Industrial Ethernet</b>                        | See Protocol listings on page 8.6      |                                       |
|                                    | <b>Model 50, RS-422<br/>Cable</b>                 | <b>8760</b> 18 AWG, 1-Pair, Shielded   |                                       |
|                                    |   | <b>128760</b> Aluminum Armor (8760)    |                                       |
|                                    |   | <b>Passport I/O – I/O Net</b>          | <b>3105A</b> 22 AWG, 1-Pair, RS-485   |
|                                    |   |  | <b>123105A</b> Aluminum Armor (3105A) |
|                                    | <b>Power Logic</b>                                | <b>3106A</b> 22 AWG, 1.5-Pair, RS-485  |                                       |
|                                    |   | <b>123106A</b> Aluminum Armor (3106A)  |                                       |
|                                    |   | <b>9841</b> 24 AWG, 1-Pair, RS-485     |                                       |
| <b>Square D/<br/>Schneider AEG</b> | <b>Seriplex®</b>                                  | <b>9842</b> 24 AWG, 2-Pair, RS-485     |                                       |
|                                    |   | <b>3124A</b> CBL-1822-P20              |                                       |
|                                    |   | <b>3125A</b> CBL-1622-P16              |                                       |
|                                    |   | <b>3126A</b> CBL-162212-P16            |                                       |
|                                    |   | <b>123124A</b> Aluminum Armor (3124A)  |                                       |
|                                    |   | <b>123125A</b> Aluminum Armor (3125A)  |                                       |
|                                    |   | <b>123126A</b> Aluminum Armor (3126A)  |                                       |
|                                    |   | <b>9463</b> Blue Hose® (Standard)      |                                       |
|                                    |   | <b>9463F</b> Flexible Version (9463)   |                                       |
|                                    |   | <b>129463</b> Aluminum Armor (9463)    |                                       |
|                                    |   | <b>139463</b> Steel Armor (9463)       |                                       |
|                                    |   | <b>189463</b> Continuous Armor (9463)  |                                       |
|                                    |   | <b>YR28826</b> Dual Version (9463)     |                                       |
|                                    |   | <b>9463DB</b> Direct Burial (9463)     |                                       |
|                                    | <b>YR29565</b> Various Color Jackets (9463)       |  |                                       |
|                                    | <b>SY/Net Network<br/>Trunk Cable</b>             | <b>3072F</b> 600V TC Rated (9463)      |                                       |
|                                    |   | <b>YR41194</b> Low-Smoke, Halogen-Free |                                       |
| <b>YR28764</b> Super Thick (PLTC)  |   |  |                                       |
| <b>89463</b> FEP 200°C, Plenum     |   |  |                                       |
| <b>SY/Net TNIM Cable</b>           | <b>9272</b> 20 AWG, 1-Pair, Shielded              |  |                                       |
|                                    | <b>89272</b> FEP 200°C, Plenum                    |  |                                       |

| PLC/DCS Manufacturer          | System Name   | Belden Part Number                |
|-------------------------------|---|-----------------------------------|
| <b>Yokogawa —<br/>CENTUM</b>  | <b>DeviceNet™</b>                                     | See Protocol listings on page 8.6 |
|                               | <b>FOUNDATION<br/>Fieldbus</b><br>(Type SP50 ISA/IEC) | See Protocol listings on page 8.6 |
|                               | <b>HART</b>   | See Protocol listings on page 8.6 |
|                               | <b>Industrial Ethernet</b>                            | See Protocol listings on page 8.6 |
|                               | <b>Profibus</b>                                       | See Protocol listings on page 8.6 |
| <b>Yokogawa —<br/>FA-M3</b>   | <b>RS-485</b>   | See Protocol listings on page 8.6 |
|                               | <b>DeviceNet</b>                                      | See Protocol listings on page 8.6 |
|                               | <b>Industrial Ethernet</b>                            | See Protocol listings on page 8.6 |
|                               | <b>Modbus</b>   | See Protocol listings on page 8.6 |
|                               | <b>Profibus</b>                                       | See Protocol listings on page 8.6 |
| <b>Yokogawa —<br/>STARDOM</b> | <b>RS-485</b>   | See Protocol listings on page 8.6 |
|                               | <b>DeviceNet</b>                                      | See Protocol listings on page 8.6 |
|                               | <b>FOUNDATION<br/>Fieldbus</b><br>(Type SP50 ISA/IEC) | See Protocol listings on page 8.6 |
|                               | <b>HART</b>   | See Protocol listings on page 8.6 |
|                               | <b>Industrial Ethernet</b>                            | See Protocol listings on page 8.6 |
| <b>Westinghouse</b>           | <b>Profibus</b>                                       | See Protocol listings on page 8.6 |
|                               | <b>RS-485</b>   | See Protocol listings on page 8.6 |
|                               | <b>WDPF</b>   | <b>9292</b> RG-11 PVC             |

FEP = Fluorinated Ethylene-propylene

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## Industrial Communications Protocol Cross Reference

| System Name   | Belden Part Number  |
|---|---|
| <b>Can Open/HART/<br/>RS-485</b>  | <b>3105A</b> 1-Pair, RS-485 (PLTC)                              |
|   | <b>3106A</b> 1.5-Pair, RS-485 (PLTC)                            |
|   | <b>3107A</b> 2-Pair, RS-485 (PLTC)                              |
| <b>CC-Link</b>  | <b>YR47198</b> 20 AWG/3c, Foil + Braid Shield                   |
|   | <b>YR47205</b> 20 AWG/3c Shielded + 18 AWG/2c Power             |
| <b>ControlNet™</b>  | <b>3092A</b> RG-6 PVC Quad Shield                               |
|   | <b>3092F</b> RG-6 PVC Quad Shield, Flex Version, Aluminum Braid |
|   | <b>YR28890</b> RG-6 PVC Quad Shield, Flex Version, Copper Braid |
|   | <b>3093A</b> RG-6 FEP Quad Shield, Plenum                       |
|   | <b>123092A</b> Aluminum Armor (3092A)                           |
|   | <b>133092A</b> Steel Armor (3092A)                              |
|   | <b>183092A</b> Continuous Armor (3092A)                         |
| <b>DataHighway (DH)<br/>&amp; DataHighway Plus<br/>(DH+) Remote I/O</b>             | <b>9463</b> 20 AWG Twinax, Blue Hose                            |
|   | <b>3072F</b> 600V, TC Blue Hose                                 |
|   | <b>9463DB</b> Direct Burial Blue Hose                           |
|   | <b>9463F</b> High-Flex, Blue Hose                               |
|   | <b>89463</b> High-Temp, Plenum Blue Hose                        |
|   | <b>129463</b> Aluminum Armor (9463)                             |
|   | <b>139463</b> Steel Armor (9463)                                |
|   | <b>189463</b> Continuous Armor (9463)                           |
|   | <b>YR28826</b> Dual Blue Hose                                   |
|   | <b>YC39151</b> Dual Armored Blue Hose                           |
|   | <b>YR28764</b> Thick Wall PLTC Blue Hose                        |
|   | <b>YR29565</b> Colored Blue Hose                                |
| <b>YR41104</b> Low-Smoke, Zero-Halogen Blue Hose                                    |   |
| <b>DeviceNet™</b>   | <b>3082A</b> PVC (Thick)  |
|   | <b>3082F</b> High-Flex (Thick)                                  |
|   | <b>3082K</b> CL2 (Flat)   |
|   | <b>3082KP</b> Auxiliary Power (Flat)                            |
|   | <b>3083A</b> CPE (Thick)  |
|   | <b>3084A</b> PVC (Thin)   |
|   | <b>3084F</b> High-Flex (Thin)                                   |
|   | <b>3085A</b> CPE (Thin)   |
|   | <b>7895A</b> CL2 PVC (Cable III Mid)                            |
|   | <b>7896A</b> CL1 PVC (Type V Trunk Cable)                       |
|   | <b>7897A</b> CL1 PVC (Thick)                                    |
|   | <b>7900A</b> CL1 Unshielded (Drop Cable IV)                     |
|   | <b>FOUNDATION Fieldbus<br/>(Type SP50 ISA/IEC)</b>              |
| <b>3077F</b> Type B, H1 1200m (31.25K)  |   |
| <b>HSE</b> Copper & Fiber<br>(see <i>Cables for Industrial Ethernet</i> , pg. 18.6) |   |
| <b>Hart/RS-485/<br/>Can Open</b>  | <b>3105A</b> 1-Pair, RS-485 (PLTC)                              |
|   | <b>3106A</b> 1.5-Pair, RS-485 (PLTC)                            |
|   | <b>3107A</b> 2-Pair, RS-485 (PLTC)                              |
| <b>Industrial Ethernet</b>  | <b>7932A</b> Cat 5e, 2-Pair, Bonded                             |
|   | <b>7933A</b> Cat 5e, 2-Pair, Bonded, Shielded                   |
|   | <b>7918A</b> Cat 5e, 4-Pair                                     |
|   | <b>7924A</b> Cat 5e, 4-Pair, Bonded, Flexible                   |
|   | <b>7930A</b> Cat 5e, 4-Pair, Flexible                           |
|   | <b>7922A</b> Cat 5e, 4-Pair, Bonded, PLTC                       |
|   | <b>7934A</b> Cat 5e, 4-Pair, Bonded, Burial                     |

| System Name                                | Belden Part Number  |  |
|--|---|--|
| <b>Industrial Ethernet<br/>(continued)</b> | <b>11700A</b> Cat 5e, 4-Pair, Bonded, Upjacketed                    |  |
|  | <b>11700A2</b> Cat 5e, 4-Pair, Bonded, Upjacketed, Oil Res II       |  |
|  | <b>121700A</b> Cat 5e, 4-Pair, Bonded, Armored                      |  |
|  | <b>7919A</b> Cat 5e, 4-Pair, Shielded                               |  |
|  | <b>7921A</b> Cat 5e, 4-Pair, Bonded, Shielded (Foil + Braid)        |  |
|  | <b>7927A</b> Cat 6, 4-Pair, Bonded                                  |  |
|  | <b>7931A</b> Cat 6, 4-Pair, Bonded, Gas Res, High + Low Temperature |  |
|  | <b>11872A</b> Cat 6, 4-Pair, Bonded, Upjacketed                     |  |
|  | <b>121872A</b> Cat 6, 4-Pair, Bonded, Armored                       |  |
|  | <b>Interbus®-S</b>  | <b>3119A</b> 18 AWG/3c, 24 AWG/3-Pair, Composite |
|  |   | <b>3120A</b> 24 AWG/3-Pair                       |
|  | <b>IronWorks®</b>   | <b>8471</b> 16 AWG, 1-Pair, UL AWM 2598          |
|  |   | <b>8917</b> 16 AWG, 1-Cond, UL AWM 1015          |
| <b>85102</b> 16 AWG, 2-Cond, VW1, Plenum   |   |  |
| <b>Modbus</b>                              | <b>8777</b> 22 AWG, 3-Pair, Modem Drop Cable                        |  |
|  | <b>128777</b> Aluminum Armor (8777)                                 |  |
|  | <b>138777</b> Steel Armor (8777)                                    |  |
|  | <b>88777</b> FEP 200°C, Plenum (8777)                               |  |
| <b>Profibus DP<br/>&amp; FMS (Purple)</b>  | <b>3079A</b> 22 AWG 300V Twinax                                     |  |
|  | <b>3079E</b> 22 AWG 300V Twinax, Flex Version                       |  |
| <b>Profibus PA (Blue)</b>                  | <b>3076F</b> 18 AWG, 2-Conductors, Type A                           |  |
| <b>RS-485/HART/<br/>Can Open</b>           | <b>9841</b> 1-Pair  |  |
|  | <b>82841</b> 1-Pair, Plenum   |  |
|  | <b>89841</b> 1-Pair, Plenum, High-Temperature                       |  |
|  | <b>9842</b> 2-Pair  |  |
|  | <b>82842</b> 2-Pair, Plenum   |  |
|  | <b>9843</b> 3-Pair  |  |
|  | <b>9844</b> 4-Pair  |  |
|  | <b>7200A</b> 1-Pair, RS-485, Hi-Flex                                |  |
|  | <b>7201A</b> 2-Pair, RS-485, Hi-Flex                                |  |
|  | <b>7202A</b> 3-Pair, RS-485, Hi-Flex                                |  |
|  | <b>7203A</b> 4-Pair, RS-485, Hi-Flex                                |  |
|  | <b>7206A</b> 1-Pair, RS-485, Hi-Flex                                |  |
|  | <b>3105A</b> 1-Pair, RS-485 (PLTC)                                  |  |
| <b>3106A</b> 1.5-Pair, RS-485 (PLTC)       |   |  |
| <b>3107A</b> 2-Pair, RS-485 (PLTC)         |   |  |
| <b>3108A</b> 3 Pair, RS-485 (PLTC)         |   |  |
| <b>3109A</b> 4 Pair, RS-485 (PLTC)         |   |  |
| <b>Seriplex®</b>                           | <b>3124A</b> 1-Pair 18 AWG, 1-Pair 22 AWG                           |  |
|  | <b>3125A</b> 1-Pair 16 AWG, 1-Pair 22 AWG                           |  |
|  | <b>3126A</b> 1-Pair 16 AWG, 1-Pair 22 AWG, 1-Pair 12 AWG            |  |
|  | <b>123124A</b> Aluminum Armor (3124A)                               |  |
|  | <b>123125A</b> Aluminum Armor (3125A)                               |  |
| <b>123126A</b> Aluminum Armor (3126A)      |   |  |
| <b>Smart Distributed<br/>System (SDS)</b>  | <b>3086A</b> 1-Pair 16 AWG, 1-Pair 20 AWG                           |  |
|  | <b>3087A</b> 2-Pairs 22 AWG   |  |

FEP = Fluorinated Ethylene-propylene

**Industrial Data Solutions® — Industrial Data****DeviceBus® for Honeywell Smart Distributed System**

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


**22 AWG Stranded Tinned Copper Conductors • Each Pair Individually Beldfoil® Shielded (100% Coverage) • Drain Wire****PVC Insulation (Power) • FPE Insulation (Data) • Gray PVC Jacket**

|   |              |                            |                     |                         |                      |                     |   |                               |                           |              |              |                       |                   |                     |   |   |   |   |   |
|---|--------------|----------------------------|---------------------|-------------------------|----------------------|---------------------|---|-------------------------------|---------------------------|--------------|--------------|-----------------------|-------------------|---------------------|---|---|---|---|---|
| UL AWM<br>Style 2464<br>30V 80°C<br>CSA AWM I/II A                                | <b>3087A</b> | NEC:<br>CL2<br>CEC:<br>FT1 | 500<br>1000<br>2000 | 152.4<br>304.8<br>609.6 | 19.0<br>41.0<br>84.0 | 8.6<br>18.6<br>38.1 | (4)22 AWG<br>(19x34)<br>.030"<br>Tinned<br>Copper<br>17.5Ω/M'<br>57.4Ω/km | 100%<br>Beldfoil<br>Each Pair | Power Pair:<br>Blue&Brown | .290<br>7.37 | —            | —                     | —                 | —                   | — | — | — | — | — |
|  |              |                            |                     |                         |                      |                     |   |                               | Data Pair:<br>Black&White | 120<br>76%   | 12.0<br>39.4 | .125<br>.500<br>1.000 | .23<br>.42<br>.60 | .76<br>1.38<br>1.97 |   |   |   |   |   |

Micro Cable (Drop)

22 AWG stranded (19x34) tinned copper drain wire.

**16 and 20 AWG Stranded Tinned Copper Conductors • Each Pair Individually Beldfoil Shielded (100% Coverage) • Drain Wire****PVC Insulation (Power) • FPE Insulation (Data) • Gray PVC Jacket**

|   |              |                            |             |                |              |              |   |                               |                           |               |              |                       |                   |                     |   |   |   |   |   |
|---|--------------|----------------------------|-------------|----------------|--------------|--------------|---|-------------------------------|---------------------------|---------------|--------------|-----------------------|-------------------|---------------------|---|---|---|---|---|
| UL AWM<br>Style 2464<br>30V 80°C<br>CSA AWM I/II A                                | <b>3086A</b> | NEC:<br>CL2<br>CEC:<br>FT1 | 500<br>1000 | 152.4<br>304.8 | 43.5<br>88.0 | 19.7<br>39.9 | (2)16 AWG TC<br>(19x29)<br>.067"<br>3.6Ω/M'<br>11.8Ω/km<br>(2)20 AWG TC<br>(19x32)<br>.041"<br>10.0Ω/M'<br>32.8Ω/km | 100%<br>Beldfoil<br>Each Pair | Power Pair:<br>Blue&Brown | .398<br>10.11 | —            | —                     | —                 | —                   | — | — | — | — | — |
|  |              |                            |             |                |              |              |   |                               | Data Pair:<br>Black&White | 120<br>76%    | 12.0<br>39.4 | .125<br>.500<br>1.000 | .18<br>.35<br>.47 | .59<br>1.15<br>1.54 |   |   |   |   |   |

Mini Cable (Trunk)

20 AWG stranded (19x32) tinned copper drain wire.

DCR = DC Resistance • FPE = Foamed Polyethylene • TC = Tinned Copper