

Industrial Data Solutions® — Industrial Ethernet

Category 5e DataTuff® Twisted Pair Cables, 2-Pair and 4-Pair

Heavy-Duty Sunlight and Oil-Resistant Jackets

Table with columns: Description, Part No., UL NEC/ C(UL) CEC Type, No. of Pairs, Standard Lengths (Ft., m), Standard Unit Wt. (Lbs., kg), Nominal OD (Inch, mm), Freq. (MHz), Max. Atten. (dB/100m), Min. PSUM NEXT (dB), Min. PSUM ACR (dB/100m), Min. PSUM ELFEXT (dB/100m), Input Imped. (Ω), Min. RL (dB)

Enhanced Cat 5e • 24 AWG Bonded-Pairs Solid BC Conductors • Rip Cord • See Color Codes below

Polyolefin Insulation • .030" Industrial Grade Sunlight- and Oil-resistant PVC Jacket (Black, Red or Teal)

Table for Polyolefin Insulation, Part No. 7932A. Includes NEC, CMR, CEC: CMR FT4, and performance metrics for lengths 1000, 2000, 3000 ft.

\*2000 ft. put-up available in Black only. • M-12 or RJ-45 Compatible • Jacket sequentially marked at 2 ft. intervals
Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C\*\*
Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126

Table for Polyolefin Insulation, Part No. 7923A. Includes NEC, CMR, CMX- Outdoor, CEC: CMR FT4, and performance metrics for lengths 1000, 2000, 3000 ft.

\*2000 ft. put-up available in Black only. • RJ-45 Compatible • Jacket sequentially marked at 2 ft. intervals
Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C\*\*
Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126 • P-07-KA060003-MSHA\*

Polyolefin Insulation • Waterblocked Sunlight- and Oil-resistant Black Polyethylene Jacket

Table for Polyolefin Insulation, Part No. 7934A. Includes performance metrics for lengths 1000, 2000, 3000 ft.

RJ-45 Compatible • Jacket sequentially marked at 3 ft. intervals
Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C\*\*
Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126 • Waterblocked per Telcordia, IEC and ICEA

Plenum • FEP Insulation • Sunlight-, Oil- and Gas-resistant Black FEP Jacket

Table for Plenum, Part No. 7928A. Includes NEC: Limited Combustible, FHC 25/50, CMP, CEC: CMP FT6, and performance metrics for lengths 1000, 2000, 3000 ft.

RJ-45 Compatible
Cable passes -70°C Cold Bend per UL1581 • Installation Temperature: -55°C to +150°C • Operating Temperature: -70°C to +150°C\*\*
Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126

Polyolefin Insulation • PVC Inner Jacket • .035" Industrial Grade PVC Outer Jacket (Black, Gray, Red, Teal or Blue)

Table for Polyolefin Insulation, Part No. 11700A. Includes NEC, CMR, CMX- Outdoor, CEC: CMR FT4, and performance metrics for lengths 1000, 2000, 3000 ft.

†3000 ft. put-up available in Black only. • Outer jacket is sunlight- and oil-resistant. • Jacket sequentially marked at 2 ft. intervals
Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C\*\*
RJ-45 Compatible • Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126 • P-07-KA060005-MSHA\*

Table for Polyolefin Insulation, Part No. 11700A2. Includes NEC, CMR, CEC: CMR FT4, and performance metrics for lengths 1000, 2000, 3000 ft.

††1000 ft. put-up available in Black or Blue only, 2000 ft. put-up in Black only. • RJ-45 Compatible • Outer jacket is sunlight resistant.
Cable passes -10°C Cold Bend per UL1581 • Installation Temperature: +5°C to +75°C • Operating Temperature: -10°C to +75°C\*\*
Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2, Category 5e • U.S. Patents 5,606,151 and 5,734,126

ACR = Attenuation Crosstalk Ratio • BC = Bare Copper • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • TC = Tinned Copper
\*Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.
\*\*Subject to length de-rating.
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DataTuff Color Codes: Pair 1 = White/Blue Stripe & Blue, Pair 2 = White/Orange Stripe & Orange, Pair 3 = White/Green Stripe & Green, Pair 4 = White/Brown Stripe & Brown
For two pair products: use color codes for Pairs 2 & 3

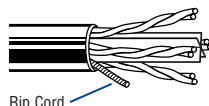
# Industrial Data Solutions® — Industrial Ethernet

## Category 6 DataTuff® Twisted Pair Cables, 4-Pair Heavy-Duty Jackets

| Description | Part No. | UL NEC/ C(UL) CEC Type | No. of Pairs | Standard Lengths |   | Standard Unit Wt. |    | Nominal OD |    | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) |
|-------------|----------|------------------------|--------------|------------------|---|-------------------|----|------------|----|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|
|             |          |                        |              | Ft.              | m | Lbs.              | kg | Inch       | mm |             |                       |                     |                         |                            |                  |              |

**Enhanced Cat 6 • 23 AWG Bonded-Pairs** Solid BC Conductors • Patented E-Spline Center Member • Rip Cord • See Color Code Chart

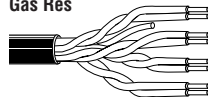
### Polyolefin Insulation • .030" Industrial Grade Sunlight- and Oil-resistant Black PVC Jacket

| Description   | Part No. | UL NEC/ C(UL) CEC Type   | No. of Pairs | Standard Lengths |        | Standard Unit Wt. |      | Nominal OD |      | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) |
|---|----------|--------------------------|--------------|------------------|--------|-------------------|------|------------|------|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|
|   |          |                          |              | Ft.              | m      | Lbs.              | kg   | Inch       | mm   |             |                       |                     |                         |                            |                  |              |
|  | 7927A    | NEC: CMR<br>CEC: CMR FT4 | 4            | 1000             | 304.8  | 44.0              | 20.0 | .251       | 6.38 | 1           | 1.9                   | 80.3                | 78.5                    | 70.8                       | 100±12           | 20.0         |
|   |          |                          |              |                  |        |                   |      |            |      | 10          | 5.7                   | 65.3                | 59.6                    | 50.8                       | 100±12           | 25.0         |
|   |          |                          |              |                  |        |                   |      |            |      | 31.25       | 10.2                  | 57.9                | 47.7                    | 40.9                       | 100±15           | 25.0         |
|   |          |                          |              |                  |        |                   |      |            |      | 62.5        | 14.7                  | 53.4                | 38.7                    | 34.9                       | 100±15           | 25.0         |
|   |          |                          |              |                  |        |                   |      |            |      | 100         | 18.9                  | 50.3                | 31.4                    | 30.8                       | 100±15           | 25.0         |
|   |          |                          |              |                  |        |                   |      |            |      | 155         | 23.9                  | 47.5                | 23.5                    | 27.0                       | 100±15           | 22.8         |
|   |          |                          |              |                  |        |                   |      |            |      | 200         | 27.5                  | 45.8                | 18.3                    | 24.8                       | 100±15           | 21.7         |
|   |          |                          |              |                  |        |                   |      |            |      | 250         | 31.2                  | 44.3                | 13.2                    | 22.8                       | 100±20           | 20.5         |
|   |          |                          |              |                  |        |                   |      |            |      | 350         | 37.7                  | 40.2                | 4.5                     | 19.9                       | 100±22           | 19.8         |
|   |          |                          |              |                  |        |                   |      |            |      | 400         | 40.6                  | 39.3                | 0.6                     | 18.8                       | 100±22           | 19.5         |
|   |          |                          |              |                  |        |                   |      |            |      | 500         | 46.2                  | 37.8                | >0.0*                   | 16.8                       | 100±22           | 18.4         |
|   |          |                          |              |                  |        |                   |      |            |      | 550         | 48.8                  | 37.2                | —                       | 16.0                       | 100±22           | 18.0         |
| 600   | 51.4     | 36.6                     | —            | 15.2             | 100±22 | 17.6              |      |            |      |             |                       |                     |                         |                            |                  |              |

RJ-45 Compatible • Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2-1, Category 6  
Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C\*\*  
\*PSUM ACR >0 is guaranteed to 460 MHz. • U.S. Patents 5,606,151; 5,734,126; 5,789,711 and 6,297,454-B1

**Cat 6 • 23 AWG Bonded-Pairs** Solid BC Conductors • See Color Code Chart (below)

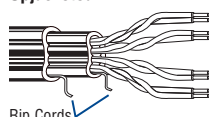
### Plenum • FEP Insulation • Sunlight-, Oil- and Gas-resistant Black FEP Jacket

| Description   | Part No. | UL NEC/ C(UL) CEC Type                                | No. of Pairs | Standard Lengths |        | Standard Unit Wt. |      | Nominal OD |      | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) |
|---|----------|---|--------------|------------------|--------|-------------------|------|------------|------|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|
|   |          |   |              | Ft.              | m      | Lbs.              | kg   | Inch       | mm   |             |                       |                     |                         |                            |                  |              |
|  | 7931A    | NEC: Limited<br>CEC: FHC 25/50<br>CMP<br>CEC: CMP FT6 | 4            | 1000             | 304.8  | 35.0              | 15.9 | .214       | 5.44 | 1           | 2.0                   | 72.3                | 70.3                    | 64.8                       | 100±15           | 20.0         |
|   |          |   |              |                  |        |                   |      |            |      | 10          | 6.0                   | 57.3                | 51.3                    | 44.8                       | 100±15           | 25.0         |
|   |          |   |              |                  |        |                   |      |            |      | 20          | 8.5                   | 52.8                | 44.3                    | 38.7                       | 100±15           | 25.0         |
|   |          |   |              |                  |        |                   |      |            |      | 31.25       | 10.7                  | 49.9                | 39.2                    | 34.9                       | 100±15           | 23.6         |
|   |          |   |              |                  |        |                   |      |            |      | 62.5        | 15.4                  | 45.4                | 30.0                    | 28.8                       | 100±15           | 21.5         |
|   |          |   |              |                  |        |                   |      |            |      | 100         | 19.8                  | 42.3                | 22.5                    | 24.8                       | 100±15           | 20.1         |
| 200   | 29.0     | 37.8  | 8.8          | 18.7             | 100±22 | 18.0              |      |            |      |             |                       |                     |                         |                            |                  |              |
| 250   | 32.8     | 36.3  | 3.5          | 16.8             | 100±32 | 17.3              |      |            |      |             |                       |                     |                         |                            |                  |              |

RJ-45 Compatible  
Cable passes -70°C Cold Bend per UL1581 • Installation Temperature: -55°C to +150°C • Operating Temperature: -70°C to +150°C\*\*  
Jacket sequentially marked at 2 ft. intervals • Third party verified to TIA/EIA-568-B.2-1, Category 6 • U.S. Patents 5,606,151 and 5,734,126

**Enhanced Cat 6 • 23 AWG Bonded-Pairs** Solid BC Conductors • Rip Cord • See Color Code Chart (below)

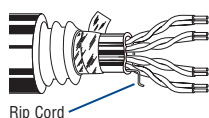
### Polyolefin Insulation • PVC Inner Jacket • .035" Industrial Grade PVC Outer Jacket (Black or Gray)

| Description   | Part No. | UL NEC/ C(UL) CEC Type    | No. of Pairs | Standard Lengths |        | Standard Unit Wt. |      | Nominal OD |       | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) |
|---|----------|---------------------------|--------------|------------------|--------|-------------------|------|------------|-------|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|
|   |          |                           |              | Ft.              | m      | Lbs.              | kg   | Inch       | mm    |             |                       |                     |                         |                            |                  |              |
|  | 11872A   | NEC: CM<br>CEC: CM<br>FT1 | 4            | 1000             | 304.8  | 66.0              | 30.0 | .475       | 12.07 | 1           | 1.9                   | 72.3                | 70                      | 64.8                       | 100±12           | 20.0         |
|   |          |                           |              |                  |        |                   |      |            |       | 4           | 3.7                   | 63.3                | 59                      | 52.7                       | 100±12           | 23.0         |
|   |          |                           |              |                  |        |                   |      |            |       | 10          | 5.9                   | 57.3                | 51                      | 44.8                       | 100±12           | 25.0         |
|   |          |                           |              |                  |        |                   |      |            |       | 16          | 7.5                   | 54.3                | 46                      | 40.7                       | 100±12           | 25.0         |
|   |          |                           |              |                  |        |                   |      |            |       | 31.25       | 10.6                  | 49.9                | 39                      | 34.9                       | 100±15           | 23.6         |
|   |          |                           |              |                  |        |                   |      |            |       | 62.5        | 15.4                  | 45.4                | 30                      | 28.8                       | 100±15           | 21.5         |
|   |          |                           |              |                  |        |                   |      |            |       | 100         | 19.8                  | 42.3                | 25                      | 24.8                       | 100±15           | 21.0         |
|   |          |                           |              |                  |        |                   |      |            |       | 155         | 25.1                  | 39.5                | 14                      | 20.9                       | 100±15           | 21.0         |
|   |          |                           |              |                  |        |                   |      |            |       | 200         | 29.0                  | 37.9                | 10                      | 18.7                       | 100±15           | 21.0         |
|   |          |                           |              |                  |        |                   |      |            |       | 310         | 37.1                  | 34.9                | —                       | 14.9                       | 100±20           | 18.0         |
|   |          |                           |              |                  |        |                   |      |            |       | x           | x                     | 34.2                | —                       | 13.9                       | 100±22           | 17.0         |
|   |          |                           |              |                  |        |                   |      |            |       | .165        | 4.19                  | 33.3                | —                       | 12.7                       | 100±32           | 14.0         |
| 500†  | 49.0     | 31.8                      | —            | 10.8             | 100±32 | 14.0              |      |            |       |             |                       |                     |                         |                            |                  |              |

†Value provided for information only. • RJ-45 Compatible • Cable passes -25°C Cold Bend per UL1581  
Installation Temperature: -10°C to +75°C • Operating Temperature: -25°C to +75°C\*\*  
Jacket sequentially marked at 2 ft. intervals • Verified to TIA/EIA-568-B.2-1, Category 6 • U.S. Patents 5,606,151, 5,734,126 and 5,821,467

**Enhanced Cat 6 • 23 AWG Bonded-Pairs** Solid BC Conductors • Polyester Wrap • Rip Cord • See Color Code Chart (below)

### AL Interlocked Armor • Polyolefin Insulation • PVC Inner Jacket • .055" Industrial Grade PVC Outer Jacket (Black or Gray)

| Description   | Part No. | UL NEC/ C(UL) CEC Type  | No. of Pairs | Standard Lengths |        | Standard Unit Wt. |       | Nominal OD |       | Freq. (MHz) | Max. Atten. (dB/100m) | Min. PSUM NEXT (dB) | Min. PSUM ACR (dB/100m) | Min. PSUM ELFEXT (dB/100m) | Input Imped. (Ω) | Min. RL (dB) |
|---|----------|-------------------------|--------------|------------------|--------|-------------------|-------|------------|-------|-------------|-----------------------|---------------------|-------------------------|----------------------------|------------------|--------------|
|   |          |                         |              | Ft.              | m      | Lbs.              | kg    | Inch       | mm    |             |                       |                     |                         |                            |                  |              |
|  | 121872A  | NEC: HL<br>CEC: CMG FT4 | 4            | 1000             | 304.8  | 222.0             | 100.6 | .684       | 17.37 | 1           | 1.9                   | 72.3                | 70                      | 64.8                       | 100±12           | 20.0         |
|   |          |                         |              |                  |        |                   |       |            |       | 4           | 3.7                   | 63.3                | 59                      | 52.7                       | 100±12           | 23.0         |
|   |          |                         |              |                  |        |                   |       |            |       | 10          | 5.9                   | 57.3                | 51                      | 44.8                       | 100±12           | 25.0         |
|   |          |                         |              |                  |        |                   |       |            |       | 16          | 7.5                   | 54.3                | 46                      | 40.7                       | 100±12           | 25.0         |
|   |          |                         |              |                  |        |                   |       |            |       | 31.25       | 10.6                  | 49.9                | 39                      | 34.9                       | 100±15           | 23.6         |
|   |          |                         |              |                  |        |                   |       |            |       | 62.5        | 15.4                  | 45.4                | 30                      | 28.8                       | 100±15           | 21.5         |
|   |          |                         |              |                  |        |                   |       |            |       | 100         | 19.8                  | 42.3                | 25                      | 24.8                       | 100±15           | 21.0         |
|   |          |                         |              |                  |        |                   |       |            |       | 155         | 25.1                  | 39.5                | 14                      | 20.9                       | 100±15           | 21.0         |
|   |          |                         |              |                  |        |                   |       |            |       | 200         | 29.0                  | 37.9                | 10                      | 18.7                       | 100±15           | 21.0         |
|   |          |                         |              |                  |        |                   |       |            |       | 310         | 37.1                  | 34.9                | —                       | 14.9                       | 100±20           | 18.0         |
|   |          |                         |              |                  |        |                   |       |            |       | x           | x                     | 34.2                | —                       | 13.9                       | 100±22           | 17.0         |
|   |          |                         |              |                  |        |                   |       |            |       | .165        | 4.19                  | 33.3                | —                       | 12.7                       | 100±32           | 14.0         |
| 500†  | 49.0     | 31.8                    | —            | 10.8             | 100±32 | 14.0              |       |            |       |             |                       |                     |                         |                            |                  |              |

†Value provided for information only. • RJ-45 Compatible • Jacket sequentially marked at 1 meter intervals  
Cable passes -40°C Cold Bend per UL1581 • Installation Temperature: -25°C to +75°C • Operating Temperature: -40°C to +75°C\*\*  
Verified to TIA/EIA-568-B.2-1, Category 6 • U.S. Patents 5,606,151, 5,734,126 and 5,821,467

ACR = Attenuation Crosstalk Ratio • AL = Aluminum • BC = Bare Copper • ELFEXT = Equal Level Far-end Crosstalk • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • TC = Tinned Copper  
\*\*Subject to length de-rating.

#### Color Codes: DataTuff

| Pair No. | Color Combination            |
|----------|------------------------------|
| 1        | White/Blue Stripe & Blue     |
| 2        | White/Orange Stripe & Orange |
| 3        | White/Green Stripe & Green   |
| 4        | White/Brown Stripe & Brown   |

## Industrial Data Solutions® — Industrial Ethernet

### Coaxial Cables

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>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" TC Conductor • Duobond® II (100% Coverage) + TC Braid (93% Coverage)

##### 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    | .43   | 1.4  |      |
|                              |             | CL2  | U-1000 | U-304.8 | 25.0 | 11.4 | .037"          |      |      | 5.8Ω/M'                   |      |      |    |     |      |      |      | 10    | 1.30 | 4.3  |
|                              |             | CM   | 1000   | 304.8   | 25.0 | 11.4 | .037"          |      |      | 19.0Ω/km                  |      |      |    |     |      |      |      | 50    | 2.90 | 9.5  |
|                              |             | CEC: | 1640   | 500.0   | 41.0 | 18.6 | TC             |      |      |                           |      |      |    |     |      |      |      | 100   | 4.20 | 13.8 |
|                              |             | CM   | U-2500 | U-762.0 | 60.0 | 27.3 | 8.8Ω/M'        |      |      |                           |      |      |    |     |      |      |      | 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

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

|       |              |         |       |       |      |      |                |      |      |                           |      |      |    |     |      |      |      |       |      |      |
|-------|--------------|---------|-------|-------|------|------|----------------|------|------|---------------------------|------|------|----|-----|------|------|------|-------|------|------|
| 150°C | <b>89907</b> | NEC:    | 500   | 152.4 | 13.0 | 5.7  | 20 AWG (19x32) | .095 | 2.41 | Duobond II + 93% TC Braid | .160 | 4.06 | 50 | 80% | 25.4 | 83.3 | 1    | .43   | 1.4  |      |
|       |              | CL2P    | 1000  | 304.8 | 24.0 | 10.9 | .037"          |      |      | 5.8Ω/M'                   |      |      |    |     |      |      |      | 10    | 1.30 | 4.3  |
|       |              | CMP     | 2500† | 762.0 | 60.0 | 27.3 | TC             |      |      | 19.0Ω/km                  |      |      |    |     |      |      |      | 50    | 2.90 | 9.5  |
|       |              | CEC:    |       |       |      |      | 8.8Ω/M'        |      |      |                           |      |      |    |     |      |      |      | 100   | 4.18 | 13.8 |
|       |              | CMP FT6 |       |       |      |      | 28.9Ω/km       |      |      |                           |      |      |    |     |      |      |      | 200   | 6.10 | 20.0 |
|       |              |         |       |       |      |      |                |      |      |                           |      |      |    |     |      |      |      | 400   | 9.20 | 30.2 |
|       |              |         |       |       |      |      |                |      |      |                           |      |      |    |     |      |      | 700  | 12.90 | 42.3 |      |
|       |              |         |       |       |      |      |                |      |      |                           |      |      |    |     |      |      | 900  | 15.00 | 49.2 |      |
|       |              |         |       |       |      |      |                |      |      |                           |      |      |    |     |      |      | 1000 | 16.00 | 52.5 |      |

RG-58/U Type

DEC Part No. 17-01246-00

Suitable for Outdoor and Direct Burial applications.

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

##### 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®) | .405 | 10.29 | 50 | 78% | 26.0 | 85.0 | 1    | .19  | .62   |      |
|                              |             | CL2  | 1000 | 304.8 | 131.0 | 59.5 | .086"          |      |         | + 90% TC Braid                                    |      |       |    |     |      |      |      | 5    | .37   | 1.21 |
|                              |             | CM   | 1640 | 500.0 | 219.0 | 99.9 | .086"          |      |         | BC  |      |       |    |     |      |      |      | 10   | .52   | 1.71 |
|                              |             | CEC: |      |       |       |      | 1.4Ω/M'        |      |         | + Duofoil®  |      |       |    |     |      |      |      | 50   | 1.20  | 3.94 |
|                              |             | CM   |      |       |       |      | 4.7Ω/km        |      |         | + 90% TC Braid                                    |      |       |    |     |      |      |      | 100  | 1.70  | 5.58 |
|                              |             |      |      |       |       |      |                |      |         | 1.5Ω/M'   |      |       |    |     |      |      |      | 200  | 2.55  | 8.37 |
|                              |             |      |      |       |       |      |                |      | 5.0Ω/km |   |      |       |    |     |      |      | 400  | 3.90 | 12.80 |      |
|                              |             |      |      |       |       |      |                |      |         |   |      |       |    |     |      |      | 700  | 5.50 | 18.10 |      |
|                              |             |      |      |       |       |      |                |      |         |   |      |       |    |     |      |      | 900  | 6.50 | 21.30 |      |
|                              |             |      |      |       |       |      |                |      |         |   |      |       |    |     |      |      | 1000 | 6.90 | 22.60 |      |

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®) | .375 | 9.53 | 50 | 78% | 26.0 | 85.0 | 1    | .18  | .59      |      |
|       |              | CL2P    | 1640† | 500.0 | 224.7 | 102.1 | .086"          |      |         | + 90% TC Braid                                    |      |      |    |     |      |      |      | 5    | .37 max. | 1.21 |
|       |              | CMP     |       |       |       |       | .086"          |      |         | BC  |      |      |    |     |      |      |      | 10   | .52 max. | 1.71 |
|       |              | CEC:    |       |       |       |       | 1.4Ω/M'        |      |         | + Duofoil®  |      |      |    |     |      |      |      | 50   | 1.15     | 3.77 |
|       |              | CMP FT6 |       |       |       |       | 4.7Ω/km        |      |         | + 90% TC Braid                                    |      |      |    |     |      |      |      | 100  | 1.65     | 5.41 |
|       |              |         |       |       |       |       |                |      |         | 1.5Ω/M'   |      |      |    |     |      |      |      | 200  | 2.45     | 8.04 |
|       |              |         |       |       |       |       |                |      | 5.0Ω/km |   |      |      |    |     |      |      | 400  | 3.80 | 12.50    |      |
|       |              |         |       |       |       |       |                |      |         |   |      |      |    |     |      |      | 700  | 5.60 | 18.40    |      |
|       |              |         |       |       |       |       |                |      |         |   |      |      |    |     |      |      | 900  | 6.80 | 22.30    |      |
|       |              |         |       |       |       |       |                |      |         |   |      |      |    |     |      |      | 1000 | 7.20 | 23.60    |      |

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 • 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.

## Industrial Data Solutions® — Industrial Twinax

### Blue Hose® Cables

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>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 |

**78 Ohm • 20 AWG** Stranded (7x28) .038" TC Conductors • Beldfoil® (100% Coverage) + TC Braid Shield (55% Coverage) • TC Drain Wire

**Polyethylene Insulation • Blue Sunlight-resistant PVC Jacket** (Color Code: Clear, Blue)

|                  |             |        |                     |         |       |       |          |      |      |          |      |      |    |     |      |      |     |      |      |
|------------------|-------------|--------|---------------------|---------|-------|-------|----------|------|------|----------|------|------|----|-----|------|------|-----|------|------|
| <b>Blue Hose</b> | <b>9463</b> | NEC:   | 100                 | 30.5    | 4.2   | 1.9   | 20 AWG   | .154 | 3.91 | Beldfoil | .238 | 6.05 | 78 | 66% | 19.7 | 64.6 | 1   | .6   | 2.0  |
| UL AWM           |             | CM CL2 | U-500               | U-152.4 | 18.5  | 8.4   | (7x28)   |      |      | +55%     |      |      |    |     |      |      | 10  | 2.1  | 6.9  |
| Style 2464       |             | CEC:   | 500                 | 152.4   | 18.5  | 8.4   | .038"    |      |      | TC Braid |      |      |    |     |      |      | 50  | 5.0  | 16.4 |
| (300V 80°C)      |             | CM     | U-1000              | U-304.8 | 37.0  | 16.8  | Tinned   |      |      | 4.1Ω/M'  |      |      |    |     |      |      | 100 | 7.5  | 24.6 |
|                  |             |        | 1000 <sup>▲</sup>   | 304.8   | 37.0  | 16.8  | Copper   |      |      | 13.4Ω/km |      |      |    |     |      |      | 200 | 11.0 | 36.1 |
|                  |             |        | 6000 <sup>▲†</sup>  | 1828.8  | 222.0 | 100.9 | 9.5Ω/M'  |      |      |          |      |      |    |     |      |      | 400 | 16.0 | 52.5 |
|                  |             |        | 10000 <sup>▲†</sup> | 3048.0  | 370.0 | 168.0 | 31.0Ω/km |      |      |          |      |      |    |     |      |      |     |      |      |



Drain Wire

CPE jacket optional.

Allen-Bradley P/N 1770-CD • P-7K-SC-182141-MSHA\*

<sup>▲</sup>1000 ft. and 6000 ft. put-ups also available in Brown, Orange or Purple.

<sup>▲†</sup>10000 ft. put-up available in Brown or Orange only.

<sup>†</sup>Final put-up length may vary ±10% from length shown.)

**Polyethylene Insulation • Blue Sunlight-resistant LDPE Jacket** (Color Code: Clear, Blue)

|  |               |   |      |        |       |      |          |      |      |          |      |      |    |     |      |      |     |      |      |
|--|---------------|---|------|--------|-------|------|----------|------|------|----------|------|------|----|-----|------|------|-----|------|------|
| <b>Flooded Direct Burial Blue Hose</b> | <b>9463DB</b> | — | 1000 | 304.8  | 33.0  | 15.0 | 20 AWG   | .154 | 3.91 | Beldfoil | .240 | 6.10 | 78 | 66% | 19.7 | 64.6 | 1   | .6   | 2.0  |
| 300V 80°C                              |               |   | 5000 | 1524.0 | 155.0 | 70.4 | (7x28)   |      |      | +55%     |      |      |    |     |      |      | 10  | 2.1  | 6.9  |
|  |               |   |      |        |       |      | .038"    |      |      | TC Braid |      |      |    |     |      |      | 50  | 5.0  | 16.4 |
|  |               |   |      |        |       |      | Tinned   |      |      | 4.1Ω/M'  |      |      |    |     |      |      | 100 | 7.5  | 24.6 |
|  |               |   |      |        |       |      | Copper   |      |      | 13.4Ω/km |      |      |    |     |      |      | 200 | 11.0 | 36.1 |
|  |               |   |      |        |       |      | 9.5Ω/M'  |      |      |          |      |      |    |     |      |      | 400 | 16.0 | 52.5 |
|  |               |   |      |        |       |      | 31.0Ω/km |      |      |          |      |      |    |     |      |      |     |      |      |



Drain Wire

Allen-Bradley P/N 1770-CD

**78 Ohm • 20 AWG** Stranded (42x36) .038" TC Conductors • Overall Beldfoil (100% Coverage) + TC Braid Shield (85% Coverage)

**Polyethylene Insulation • Blue Sunlight-resistant PVC Jacket** (Color Code: Clear, Blue)

|                            |              |        |      |        |       |      |          |      |      |          |      |      |    |     |      |      |     |      |      |
|----------------------------|--------------|--------|------|--------|-------|------|----------|------|------|----------|------|------|----|-----|------|------|-----|------|------|
| <b>High-Flex Blue Hose</b> | <b>9463F</b> | NEC:   | 1000 | 304.8  | 42.0  | 19.1 | 20 AWG   | .154 | 3.91 | Beldfoil | .243 | 6.17 | 78 | 66% | 19.7 | 64.6 | 1   | .6   | 2.0  |
| 300V 60°C                  |              | CM CL2 | 5000 | 1524.0 | 205.0 | 93.1 | (42x36)  |      |      | +85%     |      |      |    |     |      |      | 10  | 2.1  | 6.9  |
|                            |              | CEC:   |      |        |       |      | .038"    |      |      | TC Braid |      |      |    |     |      |      | 50  | 5.0  | 16.4 |
|                            |              | CM     |      |        |       |      | Tinned   |      |      | 5.0Ω/M'  |      |      |    |     |      |      | 100 | 7.5  | 24.6 |
|                            |              |        |      |        |       |      | Copper   |      |      | 6.4Ω/km  |      |      |    |     |      |      | 200 | 11.0 | 36.1 |
|                            |              |        |      |        |       |      | 9.5Ω/M'  |      |      |          |      |      |    |     |      |      | 400 | 16.0 | 52.5 |
|                            |              |        |      |        |       |      | 31.0Ω/km |      |      |          |      |      |    |     |      |      |     |      |      |



Allen-Bradley P/N 1770-CD • P-7K-SC-182141-MSHA\*

**78 Ohm • 20 AWG** Stranded (7x28) .038" TC Conductors • Overall Beldfoil (100% Coverage) + TC Braid Shield (76% Coverage) • Drain Wire

**Plenum • FEP Insulation • Blue FEP Jacket** (Color Code: Clear, Blue)

|                                   |              |          |      |       |      |      |          |      |      |          |      |      |    |     |      |      |     |      |      |
|-----------------------------------|--------------|----------|------|-------|------|------|----------|------|------|----------|------|------|----|-----|------|------|-----|------|------|
| <b>High Temperature Blue Hose</b> | <b>89463</b> | NEC:     | 1000 | 304.8 | 34.0 | 15.4 | 20 AWG   | .151 | 3.83 | Beldfoil | .203 | 5.16 | 78 | 69% | 19.7 | 64.6 | 1   | .6   | 2.0  |
| 300V 200°C                        |              | CMP CL2P | 2500 | 762.0 | 90.0 | 40.9 | (7x28)   |      |      | +76%     |      |      |    |     |      |      | 10  | 2.1  | 6.9  |
|                                   |              | CEC:     |      |       |      |      | .038"    |      |      | TC Braid |      |      |    |     |      |      | 50  | 5.0  | 16.4 |
|                                   |              | CMP FT6  |      |       |      |      | Tinned   |      |      | 4.1Ω/M'  |      |      |    |     |      |      | 100 | 7.5  | 24.6 |
|                                   |              |          |      |       |      |      | Copper   |      |      | 13.4Ω/km |      |      |    |     |      |      | 200 | 11.0 | 36.1 |
|                                   |              |          |      |       |      |      | 9.5Ω/M'  |      |      |          |      |      |    |     |      |      | 400 | 16.0 | 52.5 |
|                                   |              |          |      |       |      |      | 31.0Ω/km |      |      |          |      |      |    |     |      |      |     |      |      |



Drain Wire

Allen-Bradley P/N 1770-CD

DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene • LDPE = Low-density Polyethylene • TC = Tinned Copper

\*Pennsylvania Department of Environmental Resources and United States Mine Safety and Health Administration Certification.


# Industrial Data Solutions® — Industrial Twinax

## Twinaxial Cables

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding)<br>Diameter<br>Nom. DCR | Nominal Core OD |    | Shielding Materials<br>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 |

**100 Ohm • 20 AWG** Stranded (7x28) .037" One TC, One BC Conductor • Duofoil® (100% Coverage) + TC Braid Shield (86% Coverage)

**Polyethylene Insulation • Polyethylene Inner Jacket • Black PVC Outer Jacket**

|   |             |         |       |         |       |       |          |      |      |                  |      |      |     |     |      |      |     |      |      |
|---|-------------|---------|-------|---------|-------|-------|----------|------|------|------------------|------|------|-----|-----|------|------|-----|------|------|
| 75°C  | <b>9207</b> | NEC:    | 100   | 30.5    | 7.1   | 3.2   | 20 AWG   | .236 | 5.99 | Duofoil<br>+ 86% | .330 | 8.38 | 100 | 66% | 14.5 | 47.6 | 1   | .3   | 1.0  |
|  |             | CMG CL2 | U-500 | U-152.4 | 34.0  | 15.5  | (7x28)   |      |      | TC Braid         |      |      |     |     |      |      | 10  | 1.2  | 3.9  |
|   |             | CEC:    | 500   | 152.4   | 34.5  | 15.7  | .037"    |      |      | 2.5Ω/M'          |      |      |     |     |      |      | 50  | 2.8  | 9.2  |
|   |             | CMG FT4 | 1000  | 304.8   | 68.0  | 30.9  | 1 TC     |      |      | 8.2Ω/km          |      |      |     |     |      |      | 100 | 4.1  | 13.5 |
|   |             |         | 1640  | 500.0   | 111.5 | 50.7  | 1 BC     |      |      |                  |      |      |     |     |      |      | 200 | 6.4  | 21.0 |
|   |             |         | 2000  | 609.6   | 136.0 | 61.8  | 9.5Ω/M'  |      |      |                  |      |      |     |     |      |      | 400 | 10.2 | 33.5 |
|   |             |         | 3280  | 1000.0  | 219.8 | 99.9  | 31.0Ω/km |      |      |                  |      |      |     |     |      |      |     |      |      |
|   |             |         | 5000  | 1524.0  | 350.0 | 159.1 |          |      |      |                  |      |      |     |     |      |      |     |      |      |

IBM P/N 7362211

For Plenum version of 9207, see 89207.  
CPE jacket optional.

**124 Ohm • 25 AWG** Stranded (7x33) .021" Tinned Copper Conductors • Beldfoil® (100% Coverage) • Stranded Tinned Copper Drain Wire

**Polyethylene Insulation • Blue PVC Jacket** (Color Code: Clear, Blue)

|   |             |      |        |         |      |      |           |      |      |          |      |      |     |     |      |      |     |     |      |
|---|-------------|------|--------|---------|------|------|-----------|------|------|----------|------|------|-----|-----|------|------|-----|-----|------|
| UL AWM  | <b>9271</b> | NEC: | 100    | 30.5    | 3.2  | 1.5  | 25 AWG    | .170 | 4.32 | 100%     | .240 | 6.10 | 124 | 66% | 12.2 | 40.0 | 1   | .6  | 2.0  |
| Style 2092  |             | CM   | 500    | 152.4   | 14.0 | 6.4  | (7x33)    |      |      | Beldfoil |      |      |     |     |      |      | 10  | 1.7 | 5.6  |
| (300V 60°C)   |             | CEC: | U-1000 | U-304.8 | 27.0 | 12.3 | .021"     |      |      | Shield   |      |      |     |     |      |      | 50  | 3.6 | 11.8 |
|   |             | CM   | 1000   | 304.8   | 28.0 | 12.7 | Tinned    |      |      | 12.0Ω/M' |      |      |     |     |      |      | 100 | 5.0 | 16.4 |
|  |             |      |        |         |      |      | Copper    |      |      | 39.4Ω/km |      |      |     |     |      |      | 200 | 6.9 | 22.6 |
| Shorting Fold   |             |      |        |         |      |      | 31.8Ω/M'  |      |      |          |      |      |     |     |      |      | 400 | 9.6 | 31.5 |
|   |             |      |        |         |      |      | 104.3Ω/km |      |      |          |      |      |     |     |      |      |     |     |      |

CPE jacket optional.

**124 Ohm • 16 AWG** Solid .051" Bare Copper Conductors • Duofoil (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)


**Foam Polyethylene Insulation • Black PVC Jacket** (Color Code: Clear, Blue)

|   |             |      |      |       |       |      |          |      |      |          |      |       |     |     |      |      |     |     |      |
|---|-------------|------|------|-------|-------|------|----------|------|------|----------|------|-------|-----|-----|------|------|-----|-----|------|
| UL AWM  | <b>9860</b> | NEC: | 500  | 152.4 | 52.0  | 23.6 | 16 AWG   | .322 | 8.18 | Duofoil  | .440 | 11.18 | 124 | 78% | 10.9 | 35.8 | 1   | .2  | .6   |
| Style 2448  |             | CMX  | 1000 | 304.8 | 103.0 | 46.8 | (solid)  |      |      | +90%     |      |       |     |     |      |      | 10  | .7  | 2.3  |
| (30V 60°C)  |             | CEC: | 2000 | 609.6 | 202.0 | 91.8 | .051"    |      |      | TC Braid |      |       |     |     |      |      | 50  | 1.8 | 5.9  |
|   |             | CMX  |      |       |       |      | Bare     |      |      | 1.3Ω/M'  |      |       |     |     |      |      | 100 | 2.9 | 9.5  |
|  |             |      |      |       |       |      | Copper   |      |      | 4.3Ω/km  |      |       |     |     |      |      | 200 | 4.1 | 13.5 |
|   |             |      |      |       |       |      | 4.2Ω/M'  |      |      |          |      |       |     |     |      |      | 400 | 6.2 | 20.3 |
|   |             |      |      |       |       |      | 13.8Ω/km |      |      |          |      |       |     |     |      |      |     |     |      |

CPE jacket optional.


**150 Ohm • 22 AWG** Stranded (19x34) .031" Tinned Copper Conductors • Duofoil (100% Coverage) • Stranded Tinned Copper Drain Wire

**Datalene® Insulation • Black PVC Jacket** (Color Code: Black, Yellow)

|   |             |          |       |         |      |      |          |      |      |          |      |      |     |     |     |      |     |     |      |
|---|-------------|----------|-------|---------|------|------|----------|------|------|----------|------|------|-----|-----|-----|------|-----|-----|------|
| UL AWM  | <b>9182</b> | NEC:     | U-500 | U-152.4 | 22.5 | 10.2 | 22 AWG   | .275 | 6.98 | 100%     | .345 | 8.76 | 150 | 78% | 8.8 | 28.9 | 1   | .4  | 1.3  |
| Style 2668  |             | CL2X CMX | 500   | 152.4   | 23.0 | 10.4 | (19x34)  |      |      | Duofoil  |      |      |     |     |     |      | 10  | 1.2 | 3.9  |
| (30V 60°C)  |             | CEC:     | 1000  | 304.8   | 44.0 | 20.0 | .031"    |      |      | Shield   |      |      |     |     |     |      | 50  | 2.7 | 8.9  |
| VW-1  |             | CMX      |       |         |      |      | Tinned   |      |      | 6.3Ω/M'  |      |      |     |     |     |      | 100 | 4.3 | 14.1 |
|  |             |          |       |         |      |      | Copper   |      |      | 20.7Ω/km |      |      |     |     |     |      | 200 | 6.2 | 20.3 |
|   |             |          |       |         |      |      | 14.0Ω/M' |      |      |          |      |      |     |     |     |      | 400 | 8.8 | 28.9 |
|   |             |          |       |         |      |      | 45.9Ω/km |      |      |          |      |      |     |     |     |      |     |     |      |

For Plenum version of 9182, see 89182.  
Dual version: YR41609  
CPE jacket optional.

**Plenum • Foam FEP Teflon® Insulation • Black FEP Teflon Jacket** (Color Code: Black, Yellow)

|   |              |         |       |       |      |      |          |      |      |          |      |      |     |     |     |      |     |     |      |
|---|--------------|---------|-------|-------|------|------|----------|------|------|----------|------|------|-----|-----|-----|------|-----|-----|------|
|   | <b>89182</b> | NEC:    | 100   | 30.5  | 6.4  | 2.9  | 22 AWG   | .278 | 7.06 | 100%     | .307 | 7.80 | 150 | 78% | 8.8 | 28.9 | 1   | .4  | 1.3  |
|  |              | CMP     | 500†  | 152.4 | 28.0 | 12.7 | (19x34)  |      |      | Duofoil  |      |      |     |     |     |      | 10  | 1.2 | 3.9  |
|   |              | CL2P    | 1000† | 304.8 | 53.0 | 24.1 | .031"    |      |      | Shield   |      |      |     |     |     |      | 50  | 2.7 | 8.9  |
|   |              | CEC:    |       |       |      |      | Tinned   |      |      | 6.3Ω/M'  |      |      |     |     |     |      | 100 | 4.3 | 14.1 |
|   |              | CMP FT6 |       |       |      |      | Copper   |      |      | 20.7Ω/km |      |      |     |     |     |      | 200 | 6.2 | 20.3 |
|   |              |         |       |       |      |      | 14.0Ω/M' |      |      |          |      |      |     |     |     |      | 400 | 8.8 | 28.9 |
|   |              |         |       |       |      |      | 45.9Ω/km |      |      |          |      |      |     |     |     |      |     |     |      |

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

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

Teflon is a DuPont trademark.




# Industrial Data Solutions® — Industrial Coax

## ControlNet™ Quad Shielded Coax

| 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 |


### RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond® IV\* Quad Shield (100% Coverage)

#### Foam Polyethylene Insulation • PVC Jacket (Black or Intrinsically Safe Blue)

|   |              |          |      |       |      |      |         |      |      |            |          |      |    |     |      |      |    |     |     |
|---|--------------|----------|------|-------|------|------|---------|------|------|------------|----------|------|----|-----|------|------|----|-----|-----|
|  | <b>3092A</b> | NEC:     | 500  | 152.4 | 20.0 | 9.1  | 18 AWG  | .180 | 4.57 | Duobond IV | .298     | 7.57 | 75 | 82% | 16.2 | 53.1 | 1  | .35 | 1.1 |
|   |              | CL2R CMR | 1000 | 304.8 | 39.0 | 17.7 | (solid) |      |      | Quad       |          |      |    |     |      |      | 2  | .38 | 1.2 |
|   |              | CEC:     | 2000 | 609.6 | 78.0 | 35.4 | .040"   |      |      | Shield     |          |      |    |     |      |      | 5  | .45 | 1.5 |
|   |              | CMG FT4  | 2500 | 762.2 | 92.5 | 42.0 |         |      |      | BCCS       | 3.6Ω/M'  |      |    |     |      |      | 10 | .59 | 1.9 |
|   |              |          |      |       |      |      |         |      |      | 28.0Ω/M'   | 11.8Ω/km |      |    |     |      |      | 20 | .86 | 2.8 |

Allen-Bradley P/N 1786

#### Plenum • Foam FEP Insulation • Fluorocopolymer Jacket (Black or Intrinsically Safe Blue\*)


|   |              |         |       |       |      |      |         |      |      |            |          |      |    |     |      |      |    |     |     |
|---|--------------|---------|-------|-------|------|------|---------|------|------|------------|----------|------|----|-----|------|------|----|-----|-----|
|  | <b>3093A</b> | NEC:    | 1000* | 304.8 | 40.0 | 18.2 | 18 AWG  | .170 | 4.32 | Duobond IV | .274     | 6.96 | 75 | 82% | 16.3 | 53.5 | 1  | .36 | 1.2 |
|   |              | CMP     | 2000† | 609.6 | 80.0 | 36.3 | (solid) |      |      | Quad       |          |      |    |     |      |      | 2  | .38 | 1.2 |
|   |              | CEC:    | 2500† | 762.0 | 95.0 | 43.1 | .040"   |      |      | Shield     |          |      |    |     |      |      | 5  | .50 | 1.6 |
|   |              | CMP FT6 |       |       |      |      |         |      |      | BCCS       | 3.6Ω/M'  |      |    |     |      |      | 10 | .65 | 2.1 |
|   |              |         |       |       |      |      |         |      |      | 28.0Ω/M'   | 11.8Ω/km |      |    |     |      |      | 20 | .95 | 3.1 |

\*Blue available as standard in 1000 ft. only.

Suitable for Outdoor and Direct Burial applications. • Allen-Bradley P/N 1786

### RG-6/U Type • 20 AWG Stranded (105x40) Bare Copper Conductor • Duobond IV\* Quad Shield (100% Coverage)

#### Foam Polyethylene Insulation • Black PVC Jacket


|   |              |          |      |        |       |      |          |      |      |            |      |      |    |     |      |      |    |      |     |
|---|--------------|----------|------|--------|-------|------|----------|------|------|------------|------|------|----|-----|------|------|----|------|-----|
|  | <b>3092F</b> | NEC:     | 1000 | 304.8  | 44.0  | 20.0 | 20 AWG   | .183 | 4.65 | Duobond IV | .303 | 7.70 | 75 | 79% | 17.0 | 55.8 | 1  | .36  | 1.2 |
|   |              | CL2R CMR | 5000 | 1524.0 | 220.0 | 99.8 | (105x40) |      |      | Quad       |      |      |    |     |      |      | 2  | .47  | 1.5 |
|   |              | CEC:     |      |        |       |      | .040"    |      |      | Shield     |      |      |    |     |      |      | 5  | .80  | 2.6 |
|   |              | CMG FT4  |      |        |       |      | Bare     |      |      | 3.6Ω/M'    |      |      |    |     |      |      | 10 | 1.20 | 3.9 |
|   |              |          |      |        |       |      | Copper   |      |      | 11.8Ω/km   |      |      |    |     |      |      | 20 | 2.00 | 6.6 |

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP. • Allen-Bradley P/N 1786

For Rockwell authorized Flexible ControlNet order YR28890 (Tinned Copper Braid version).

### RG-6/U Type • 18 AWG Solid Bare Copper-Covered Steel Conductor • Duobond IV\* Quad Shield (100% Coverage)

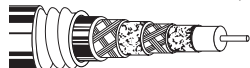
#### Aluminum Interlocked Armor • Foam Polyethylene Insulation • PVC Inner Jacket • Black PVC Sunlight Resistant Outer Jacket

|   |                |              |        |       |       |      |         |      |      |            |              |      |       |      |      |    |     |     |
|---|----------------|--------------|--------|-------|-------|------|---------|------|------|------------|--------------|------|-------|------|------|----|-----|-----|
|  | <b>123092A</b> | NEC:         | 1000†† | 304.8 | 180.0 | 81.7 | 18 AWG  | .180 | 4.57 | Duobond IV | Inner Jacket | 75   | 82%   | 16.2 | 53.2 | 1  | .35 | 1.2 |
|   |                | CM           |        |       |       |      | (solid) |      |      | Quad       | .298         | 7.57 |       |      |      | 2  | .38 | 1.3 |
|   |                | CEC:         |        |       |       |      | .040"   |      |      | Shield     | Overall:     |      |       |      |      | 5  | .45 | 1.5 |
|   |                | CMG, FT4, HL |        |       |       |      |         |      |      | BCCS       | 3.6Ω/M'      | .620 | 15.75 |      |      | 10 | .59 | 1.9 |
|   |                |              |        |       |       |      |         |      |      | 28.0Ω/M'   | 11.8Ω/km     |      |       |      |      | 20 | .86 | 2.8 |

Allen-Bradley P/N 1786

Jacket sequentially marked at 1 meter intervals.

#### Continuously Corrugated Aluminum Armor • Foam Polyethylene Insulation • PVC Inner Jacket • Black PVC Outer Jacket

|   |                |         |       |       |       |       |         |      |      |            |              |      |       |      |      |    |     |     |
|---|----------------|---------|-------|-------|-------|-------|---------|------|------|------------|--------------|------|-------|------|------|----|-----|-----|
|  | <b>183092A</b> | NEC:    | 2000^ | 609.6 | 350.0 | 158.9 | 18 AWG  | .180 | 4.57 | Duobond IV | Inner Jacket | 75   | 82%   | 16.2 | 53.2 | 1  | .35 | 1.2 |
|   |                | CL2, CM |       |       |       |       | (solid) |      |      | Quad       | .298         | 7.57 |       |      |      | 2  | .38 | 1.3 |
|   |                |         |       |       |       |       | .040"   |      |      | Shield     | Overall:     |      |       |      |      | 5  | .45 | 1.5 |
|   |                |         |       |       |       |       |         |      |      | BCCS       | 3.6Ω/M'      | .570 | 14.48 |      |      | 10 | .59 | 1.9 |
|   |                |         |       |       |       |       |         |      |      | 28.0Ω/M'   | 11.8Ω/km     |      |       |      |      | 20 | .86 | 2.8 |

Allen-Bradley P/N 1786

Jacket sequentially marked at 2 ft. intervals.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene

\*Duobond IV Quad Shield = Duobond II Foil + 60% aluminum braid + Duofoil + 40% aluminum braid.


†Final put-up length may vary 0 to +10% from length shown.

††Final put-up length may vary ±5% from length shown.

^Final put-up length may vary ±10% from length shown.

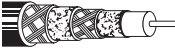
ControlNet is a ControlNet International trademark.

**Industrial Data Solutions® — Industrial Coax****ControlBus™ Quad Shielded Coax**

| 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>RG-6/U Type • 20 AWG Stranded (105x40) Bare Copper Conductor • Duobond® IV* Quad Shield (100% Coverage)</b> |           |                              |                  |      |                      |       |  |   |      |                                    |   |      |                  |                       |                     |      |                     |                |             |      |
| <b>Foam Polyethylene Insulation • Black PVC Jacket</b>   |           |                              |                  |      |                      |       |  |   |      |                                    |   |      |                  |                       |                     |      |                     |                |             |      |
|                                | High-Flex | 3092F                        | NEC:             | 1000 | 304.8                | 44.0  | 20.0   | 20 AWG<br>(105x40)<br>.040"<br>Bare<br>Copper<br>10.5Ω/M'<br>34.4Ω/km | .183 | 4.65                               | Duobond IV<br>Quad<br>Shield<br>3.6Ω/M'<br>11.8Ω/km | .303 | 7.70             | 75                    | 79%                 | 17.0 | 55.8                | 1              | .36         | 1.2  |
|  |           |                              | CL2R CMR         | 5000 | 1524.0               | 225.0 | 102.2  |   |      |                                    |   |      |                  |                       |                     |      |                     | 2              | .47         | 1.5  |
|  |           |                              | CEC:             |      |                      |       |  |   |      |                                    |   |      |                  |                       |                     |      |                     | 5              | .80         | 2.6  |
|  |           |                              | CMG              |      |                      |       |  |   |      |                                    |   |      |                  |                       |                     |      |                     | 10             | 1.20        | 3.9  |
|  |           |                              | FT4              |      |                      |       |  |   |      |                                    |   |      |                  |                       |                     |      |                     | 20             | 2.00        | 6.6  |
|  |           |                              |                  |      |                      |       |  |   |      |                                    |   |      |                  |                       |                     |      |                     | 50             | 3.20        | 10.5 |
|  |           |                              |                  |      |                      |       |  |   |      |                                    |   |      |                  |                       |                     |      |                     | 100            | 4.60        | 15.1 |
|  |           |                              |                  |      |                      |       |  |   |      |                                    |   |      |                  |                       |                     |      |                     | 200            | 6.50        | 21.3 |
|  |           |                              |                  |      |                      |       |  |   |      |                                    |   |      |                  |                       |                     |      |                     | 300            | 8.00        | 26.2 |
|  |           |                              |                  |      |                      |       |  |   |      |                                    |   |      |                  |                       |                     |      |                     | 400            | 9.30        | 30.5 |


IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.

**RG-6/U Type • 18 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV\* Quad Shield (100% Coverage)**

| <b>Gas-Injected Foam Polyethylene Insulation • Gray PVC Jacket</b>               |       |          |      |       |       |      |  |      |      |   |      |      |    |     |      |      |     |      |      |
|--|-------|----------|------|-------|-------|------|--|------|------|---|------|------|----|-----|------|------|-----|------|------|
|  | 3131A | NEC:     | 1000 | 304.8 | 41.0  | 18.6 | 18 AWG<br>(solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.8Ω/km | .180 | 4.57 | Duobond IV<br>Quad<br>Shield<br>3.6Ω/M'<br>11.8Ω/km | .300 | 7.62 | 75 | 82% | 16.2 | 53.1 | 1   | .35  | 1.1  |
|  |       | CL2R CMR | 2500 | 762.0 | 100.0 | 45.4 |  |      |      |   |      |      |    |     |      |      | 2   | .38  | 1.2  |
|  |       | CEC:     |      |       |       |      |  |      |      |   |      |      |    |     |      |      | 5   | .45  | 1.5  |
|  |       | CMR FT4  |      |       |       |      |  |      |      |   |      |      |    |     |      |      | 10  | .59  | 1.9  |
|  |       |          |      |       |       |      |  |      |      |   |      |      |    |     |      |      | 20  | .86  | 2.8  |
|  |       |          |      |       |       |      |  |      |      |   |      |      |    |     |      |      | 50  | 1.37 | 4.5  |
|  |       |          |      |       |       |      |  |      |      |   |      |      |    |     |      |      | 100 | 1.97 | 6.5  |
|  |       |          |      |       |       |      |  |      |      |   |      |      |    |     |      |      | 200 | 2.82 | 9.3  |
|  |       |          |      |       |       |      |  |      |      |   |      |      |    |     |      |      | 300 | 3.48 | 11.4 |
|  |       |          |      |       |       |      |  |      |      |   |      |      |    |     |      |      | 400 | 4.04 | 13.3 |

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.

Tap marks every 2.6 meters to aid users in installation.


| <b>Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket</b>                  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      |     |      |      |
|--|-------|-------|---------|------|-------|------|------|--|------|------|---|------|------|----|-----|------|------|-----|------|------|
|  | 150°C | 3132A | NEC:    | 1000 | 304.8 | 36.0 | 16.3 | 18 AWG<br>(solid)<br>.040"<br>BCCS<br>28.0Ω/M'<br>91.8Ω/km | .170 | 4.32 | Duobond IV<br>Quad<br>Shield<br>3.6Ω/M'<br>11.8Ω/km | .274 | 6.96 | 75 | 82% | 16.3 | 53.5 | 1   | .36  | 1.2  |
|  |       |       | CMP     |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 2   | .38  | 1.2  |
|  |       |       | CEC:    |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 5   | .50  | 1.6  |
|  |       |       | CMP FT6 |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 10  | .65  | 2.1  |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 20  | .95  | 3.1  |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 50  | 1.50 | 4.9  |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 100 | 2.12 | 7.0  |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 200 | 2.99 | 9.8  |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 300 | 3.66 | 12.0 |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 400 | 4.23 | 13.9 |

IEEE 802.4 MAP/IEEE 802.7 Mini-MAP.

Tap marks every 2.6 meters to aid users in installation.


Suitable for Outdoor and Direct Burial applications.

**RG-11/U Type • 14 AWG Solid Bare Copper-covered Steel Conductor • Duobond IV\* Quad Shield (100% Coverage)**

| <b>Gas-Injected Foam Polyethylene Insulation • Gray PVC Jacket</b>                 |       |          |      |       |       |      |  |      |      |  |      |       |    |     |      |      |     |      |     |
|--|-------|----------|------|-------|-------|------|--|------|------|--|------|-------|----|-----|------|------|-----|------|-----|
|  | 3094A | NEC:     | 500  | 152.4 | 35.5  | 16.1 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV<br>Quad<br>Shield<br>1.5Ω/M'<br>4.9Ω/km | .407 | 10.34 | 75 | 82% | 16.2 | 53.1 | 1   | .16  | .5  |
|  |       | CL2R CMR | 1000 | 304.8 | 62.0  | 28.1 |  |      |      |  |      |       |    |     |      |      | 2   | .18  | .6  |
|  |       | CEC:     | 2000 | 609.6 | 140.0 | 63.6 |  |      |      |  |      |       |    |     |      |      | 5   | .26  | .9  |
|  |       | CMG FT4  |      |       |       |      |  |      |      |  |      |       |    |     |      |      | 10  | .38  | 1.2 |
|  |       |          |      |       |       |      |  |      |      |  |      |       |    |     |      |      | 20  | .55  | 1.8 |
|  |       |          |      |       |       |      |  |      |      |  |      |       |    |     |      |      | 50  | .83  | 2.7 |
|  |       |          |      |       |       |      |  |      |      |  |      |       |    |     |      |      | 100 | 1.17 | 3.8 |
|  |       |          |      |       |       |      |  |      |      |  |      |       |    |     |      |      | 200 | 1.60 | 5.3 |
|  |       |          |      |       |       |      |  |      |      |  |      |       |    |     |      |      | 300 | 1.99 | 6.5 |
|  |       |          |      |       |       |      |  |      |      |  |      |       |    |     |      |      | 400 | 2.30 | 7.5 |

IEEE 802.4 MAP

Tap marks every 2.6 meters to aid users in installation.

| <b>Plenum • Foam FEP Insulation • Gray Fluorocopolymer Jacket</b>                  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      |     |      |      |
|--|-------|-------|---------|------|-------|------|------|--|------|------|---|------|------|----|-----|------|------|-----|------|------|
|  | 150°C | 3095A | NEC:    | 1000 | 304.8 | 76.0 | 34.5 | 14 AWG<br>(solid)<br>.064"<br>BCCS<br>11.0Ω/M'<br>36.1Ω/km | .280 | 7.11 | Duobond IV<br>Quad<br>Shield<br>3.9Ω/M'<br>12.8Ω/km | .387 | 9.83 | 75 | 82% | 16.5 | 54.1 | 1   | .17  | .6   |
|  |       |       | CMP     |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 2   | .22  | .7   |
|  |       |       | CEC:    |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 5   | .28  | .9   |
|  |       |       | CMP FT6 |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 10  | .40  | 1.3  |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 20  | .60  | 2.0  |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 50  | 1.20 | 3.9  |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 100 | 1.70 | 5.6  |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 200 | 2.50 | 8.2  |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 300 | 3.04 | 10.0 |
|  |       |       |         |      |       |      |      |  |      |      |   |      |      |    |     |      |      | 400 | 3.50 | 11.5 |

IEEE 802.4 MAP

Tap marks every 2.6 meters to aid users in installation.

Suitable for Outdoor and Direct Burial applications.

BCCS = Bare Copper-covered Steel • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene

\*Duobond IV Quad Shield = Duobond II Foil + 60% aluminum braid + Duofoil® + 40% aluminum braid.

**Industrial Data Solutions® — Industrial Data**

DeviceBus® for ODVA DeviceNet™

**DeviceNet Communications Rate Table**

| Communications Rate | Maximum Distance |     |       |     |       |     |       |     |       |     |             |     |       |     |       |     |       |     |       |     |
|---------------------|------------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|-------------|-----|-------|-----|-------|-----|-------|-----|-------|-----|
|                     | 3082A            |     | 3082F |     | 3082K |     | 3083A |     | 3084F |     | 3084A/3085A |     | 7895A |     | 7896A |     | 7897A |     | 7900A |     |
|                     | Ft.              | m   | Ft.   | m   | Ft.   | m   | Ft.   | m   | Ft.   | m   | Ft.         | m   | Ft.   | m   | Ft.   | m   | Ft.   | m   | Ft.   | m   |
| 125 Kbps            | 1640             | 500 | 1640  | 500 | 1378  | 420 | 1640  | 500 | 328   | 100 | 328         | 100 | 984   | 300 | 1378  | 420 | 1640  | 500 | 328   | 100 |
| 250 Kbps            | 820              | 250 | 820   | 250 | 656   | 200 | 820   | 250 | 328   | 100 | 328         | 100 | 820   | 250 | 656   | 200 | 820   | 250 | 328   | 100 |
| 500 Kbps            | 328              | 100 | 328   | 100 | 246   | 75  | 328   | 100 | 328   | 100 | 328         | 100 | 328   | 100 | 328   | 100 | 328   | 100 | 328   | 100 |

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | Standard Lengths |   | Standard Unit Weight |    | Conductor (stranding) 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 |

**600V Class 1 Thick** • 15 and 18 AWG Stranded TC Conductors • Individually Foil Shielded (100% Coverage) + Overall TC Braid (65% Coverage)**PVC/Nylon Insulation (Power) • FEP Insulation (Data) • Gray Sunlight/Oil-resistant PVC Jacket**

|   |              |       |      |       |       |       |              |                      |              |                       |      |     |      |      |      |     |     |      |     |     |       |
|---|--------------|-------|------|-------|-------|-------|--------------|----------------------|--------------|-----------------------|------|-----|------|------|------|-----|-----|------|-----|-----|-------|
| <b>High Velocity Thick</b><br>600V 75°C | <b>7897A</b> | NEC:  | 500  | 152.4 | 69.5  | 31.6  | (2)15 AWG TC | 100%                 | Power Pair:  | .460                  | 11.7 | —   | —    | —    | —    | —   | —   | —    | —   | —   |       |
|   |              | TC-ER | 1000 | 304.8 | 135.0 | 61.3  | (19x28)      | Individual Foil      | Red&Black    |                       |      |     |      |      |      |     |     |      |     |     |       |
|   |              |       | 2000 | 609.6 | 274.0 | 124.4 | 3.6Ω/M'      | 11.8Ω/km             | + Overall    |                       |      |     |      |      |      |     |     |      |     |     |       |
|   |              |       |      |       |       |       |              | (2)18 AWG TC (19x30) | 65% TC Braid | Data Pair: Blue&White | 120  | 75% | 12.0 | 39.4 | .125 | .13 | .43 | .500 | .25 | .82 | 1.000 |



18 AWG stranded (19x30) tinned copper drain wire.  
Meter marks on jacket to aid users in installation.  
Allen-Bradley P/N 1485 CPI-A

**600V Class 1 ODVA Cable V** • 16 and 18 AWG Stranded TC Cond. • Individ. Foil Shielded (100% Coverage) + Overall TC Braid (65% Coverage)**PVC/Nylon Insulation (Power) • F-R Polypropylene Insulation (Data) • Gray Sunlight/Oil-resistant PVC Jacket**

|                  |              |       |      |       |       |       |              |                      |              |                       |       |     |      |      |      |     |     |      |     |     |       |
|------------------|--------------|-------|------|-------|-------|-------|--------------|----------------------|--------------|-----------------------|-------|-----|------|------|------|-----|-----|------|-----|-----|-------|
| <b>600V 75°C</b> | <b>7896A</b> | NEC:  | 500  | 152.4 | 89.0  | 40.4  | (2)16 AWG TC | 100%                 | Power Pair:  | .525                  | 13.34 | —   | —    | —    | —    | —   | —   | —    | —   | —   |       |
|                  |              | TC-ER | 1000 | 304.8 | 168.0 | 76.2  | (19x29)      | Individual Foil      | Red&Black    |                       |       |     |      |      |      |     |     |      |     |     |       |
|                  |              |       | 2000 | 609.6 | 340.0 | 154.2 | 4.9Ω/M'      | 16.1Ω/km             | + Overall    |                       |       |     |      |      |      |     |     |      |     |     |       |
|                  |              |       |      |       |       |       |              | (2)18 AWG TC (19x30) | 65% TC Braid | Data Pair: Blue&White | 120   | 64% | 14.7 | 48.2 | .125 | .13 | .43 | .500 | .25 | .82 | 1.000 |



C(UL) AWM I/II A/B  
16 AWG stranded (19x29) tinned copper drain wire.  
Meter marks on jacket to aid users in installation.  
Allen-Bradley P/N 1485 CPI-A

**600V Class 1 ODVA Cable IV** • 16 and 18 AWG Stranded Tinned Copper Conductors • Unshielded**PVC/Nylon Insulation (Power) • F-R Polypropylene Insulation (Data) • Gray Sunlight/Oil-resistant PVC Jacket**

|                          |              |             |      |       |       |      |              |                      |             |                       |       |     |      |      |      |     |     |      |     |     |       |
|--------------------------|--------------|-------------|------|-------|-------|------|--------------|----------------------|-------------|-----------------------|-------|-----|------|------|------|-----|-----|------|-----|-----|-------|
| <b>Drop</b><br>600V 75°C | <b>7900A</b> | NEC:        | 500  | 152.4 | 51.0  | 23.1 | (2)16 AWG TC | Unshielded           | Power Pair: | .430                  | 10.92 | —   | —    | —    | —    | —   | —   | —    | —   | —   |       |
|                          |              | TC-ER       | 1000 | 304.8 | 105.0 | 47.6 | (19x29)      |                      | Red&Black   |                       |       |     |      |      |      |     |     |      |     |     |       |
|                          |              | CEC:<br>FT1 |      |       |       |      | 4.9Ω/M'      | 16.1Ω/km             |             |                       |       |     |      |      |      |     |     |      |     |     |       |
|                          |              |             |      |       |       |      |              | (2)18 AWG TC (19x30) |             | Data Pair: Blue&White | 120   | 64% | 14.7 | 48.2 | .125 | .13 | .43 | .500 | .25 | .82 | 1.000 |



C(UL) AWM I/II A/B  
Meter marks on jacket to aid users in installation.  
Allen-Bradley P/N 1485 CPI-C

DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene • F-R = Flame-retardant • TC = Tinned Copper • TC-ER = Tray Cable Exposed Run per 2005 NEC Article 336

ODVA DeviceNet is an Open DeviceNet Vendor Association, Inc. trademark.

**BELDEN**

For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr



## Industrial Data Solutions® — Interconnect Cable

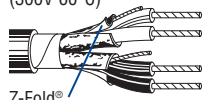
### Shielded Twisted Pair Cables

| Description | Part No. | UL NEC/<br>C(UL) CEC<br>Type | No. of<br>Pairs | Color<br>Code | Standard<br>Lengths |   | Standard<br>Unit Weight |    | Nom. DCR |        | Nominal<br>OD |    | Nom.<br>Imp.<br>(Ω) | Nom.<br>Vel.<br>of Prop. | Nom. Capacitance |               |                  |                |
|-------------|----------|------------------------------|-----------------|---------------|---------------------|---|-------------------------|----|----------|--------|---------------|----|---------------------|--------------------------|------------------|---------------|------------------|----------------|
|             |          |                              |                 |               | Ft.                 | m | Lbs.                    | kg | Cond.    | Shield | Inch          | mm |                     |                          | *<br>pF/<br>Ft.  | *<br>pF/<br>m | **<br>pF/<br>Ft. | **<br>pF/<br>m |

**24 AWG** Stranded (7x32) TC Conductors • Twisted Pairs • Individually Beldfoil® Shielded (100% Coverage) • 24 AWG Stranded TC Drain Wire

#### Datalene® Insulation • Chrome PVC Jacket

|                                  |             |      |   |                           |     |       |        |       |          |          |      |      |     |     |      |      |      |      |  |
|----------------------------------|-------------|------|---|---------------------------|-----|-------|--------|-------|----------|----------|------|------|-----|-----|------|------|------|------|--|
| UL AWM Style 2493<br>(300V 60°C) | <b>9729</b> | NEC: | 2 | Red&Black,<br>White&Black | 100 | 30.5  | 4.3    | 2.0   | 24.0Ω/M' | 15.0Ω/M' | .266 | 6.76 | 100 | 76% | 12.5 | 41.0 | 23.2 | 76.1 |  |
|                                  |             | CM   |   |                           | 500 | 152.4 | 20.5   | 9.3   | 78.7Ω/km | 49.3Ω/km |      |      |     |     |      |      |      |      |  |
|                                  |             | CEC: |   |                           |     | 1000  | 304.8  | 39.0  | 17.7     |          |      |      |     |     |      |      |      |      |  |
|                                  |             | CM   |   |                           |     | 10000 | 3048.0 | 390.0 | 177.1    |          |      |      |     |     |      |      |      |      |  |



Z-Fold®

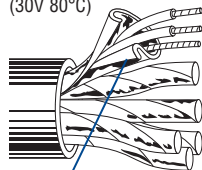
24 AWG stranded (7x32) tinned copper drain wire.

For Plenum version of 9729,  
see 89729 or 82729.

**22 AWG** Stranded (7x30) TC Conductors • Twisted Pairs • Individually Beldfoil Shielded (100% Coverage) • 22 AWG Stranded TC Drain Wire

#### Polypropylene Insulation • Chrome PVC Jacket

|                                 |             |      |   |   |     |        |         |       |          |          |      |      |    |     |    |    |    |     |
|---------------------------------|-------------|------|---|---|-----|--------|---------|-------|----------|----------|------|------|----|-----|----|----|----|-----|
| UL AWM Style 2919<br>(30V 80°C) | <b>8777</b> | NEC: | 3 | Red&Black,<br>White&Black,<br>Green&Black | 100 | 30.5   | 4.6     | 2.1   | 15.0Ω/M' | 10.6Ω/M' | .273 | 6.93 | 50 | 66% | 30 | 98 | 55 | 180 |
|                                 |             | CM   |   |   | 250 | 76.2   | 11.0    | 5.0   | 49.2Ω/km | 34.8Ω/km |      |      |    |     |    |    |    |     |
|                                 |             | CEC: |   |   |     | U-500  | U-152.4 | 21.0  | 9.5      |          |      |      |    |     |    |    |    |     |
|                                 |             | CM   |   |   |     | 500    | 152.4   | 21.0  | 9.5      |          |      |      |    |     |    |    |    |     |
|                                 |             |      |   |   |     | U-1000 | U-304.8 | 41.0  | 18.6     |          |      |      |    |     |    |    |    |     |
|                                 |             |      |   |   |     | 1000   | 304.8   | 42.0  | 19.1     |          |      |      |    |     |    |    |    |     |
|                                 |             |      |   |   |     | 1640   | 499.9   | 67.2  | 30.5     |          |      |      |    |     |    |    |    |     |
|                                 |             |      |   |   |     | 3280   | 999.7   | 137.8 | 62.5     |          |      |      |    |     |    |    |    |     |
|                                 |             |      |   |   |     | 5000   | 1524.0  | 210.0 | 95.3     |          |      |      |    |     |    |    |    |     |
|                                 |             |      |   |   |     | 10000  | 3048.0  | 450.0 | 204.3    |          |      |      |    |     |    |    |    |     |



Z-Fold®

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

For Plenum versions of 8777,  
see 88777, 87777 or 82777.

**22 AWG** Stranded (7x30) TC Conductors • Twisted Pairs • Individually Beldfoil Shielded (100% Coverage) • 24 AWG Stranded TC Drain Wire

#### Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)

|               |             |      |   |                           |       |         |         |      |          |          |      |      |    |     |    |     |    |     |
|---------------|-------------|------|---|---------------------------|-------|---------|---------|------|----------|----------|------|------|----|-----|----|-----|----|-----|
| 300V RMS 60°C | <b>8723</b> | NEC: | 2 | Red&Black,<br>Green&White | 100   | 30.5    | 2.3     | 1.0  | 16.0Ω/M' | 14.7Ω/M' | .168 | 4.27 | 45 | 66% | 35 | 115 | 62 | 203 |
|               |             | CM   |   |                           | U-500 | U-152.4 | 10.5    | 4.8  | 52.5Ω/km | 48.3Ω/km |      |      |    |     |    |     |    |     |
|               |             | CEC: |   |                           |       | 500     | 152.4   | 10.0 | 4.5      |          |      |      |    |     |    |     |    |     |
|               |             | CM   |   |                           |       | U-1000  | U-304.8 | 20.0 | 9.1      |          |      |      |    |     |    |     |    |     |
|               |             |      |   |                           |       | 1000    | 304.8   | 20.0 | 9.1      |          |      |      |    |     |    |     |    |     |
|               |             |      |   |                           |       | 1640    | 499.9   | 32.8 | 14.9     |          |      |      |    |     |    |     |    |     |
|               |             |      |   |                           |       | U-2000  | U-609.6 | 40.0 | 18.2     |          |      |      |    |     |    |     |    |     |
|               |             |      |   |                           |       | 2000    | 609.6   | 40.0 | 18.2     |          |      |      |    |     |    |     |    |     |
|               |             |      |   |                           |       | 3280    | 999.7   | 65.6 | 29.8     |          |      |      |    |     |    |     |    |     |
|               |             |      |   |                           |       | 5000    | 1524.0  | 95.0 | 43.1     |          |      |      |    |     |    |     |    |     |
|               |             |      |   |                           | 10000 | 3048.0  | 200.0   | 90.8 |          |          |      |      |    |     |    |     |    |     |



Z-Fold®

24 AWG stranded (7x32) tinned copper drain wire.

For Plenum versions of 8723,  
see 88723, 87723 or 82723.

**Plenum • FEP Insulation • Red FEP Jacket (Pairs Cabled on Common Axis to Reduce Diameter)**

|                       |              |         |   |                           |     |       |       |      |          |          |      |      |    |     |    |     |    |     |
|-----------------------|--------------|---------|---|---------------------------|-----|-------|-------|------|----------|----------|------|------|----|-----|----|-----|----|-----|
| 300V RMS, Non-conduit | <b>88723</b> | NEC:    | 2 | Red&Black,<br>Green&White | 100 | 30.5  | 3.4   | 1.5  | 16.0Ω/M' | 14.7Ω/M' | .148 | 3.76 | 40 | 69% | 35 | 115 | 67 | 220 |
|                       |              | CMP     |   |                           | 500 | 152.4 | 11.0  | 5.0  | 52.5Ω/km | 48.3Ω/km |      |      |    |     |    |     |    |     |
|                       |              | CEC:    |   |                           |     | 1000  | 304.8 | 21.0 | 9.5      |          |      |      |    |     |    |     |    |     |
|                       |              | CMP FT6 |   |                           |     |       |       |      |          |          |      |      |    |     |    |     |    |     |



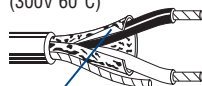
Z-Fold®

24 AWG stranded (7x32) tinned copper drain wire.

**18 AWG** Stranded (16x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire

#### Polyethylene Insulation • Chrome PVC Jacket

|                                  |             |      |   |                 |       |         |         |       |      |   |      |      |   |   |    |    |    |     |
|----------------------------------|-------------|------|---|-----------------|-------|---------|---------|-------|------|---|------|------|---|---|----|----|----|-----|
| UL AWM Style 2092<br>(300V 60°C) | <b>8760</b> | NEC: | 1 | Black<br>&Clear | 250   | 76.2    | 6.8     | 3.1   | —    | — | .222 | 5.64 | — | — | 24 | 79 | 44 | 144 |
|                                  |             | CM   |   |                 | U-500 | U-152.4 | 13.0    | 5.9   |      |   |      |      |   |   |    |    |    |     |
|                                  |             | CEC: |   |                 |       | 500     | 152.4   | 13.0  | 5.9  |   |      |      |   |   |    |    |    |     |
|                                  |             | CM   |   |                 |       | U-1000  | U-304.8 | 26.0  | 11.8 |   |      |      |   |   |    |    |    |     |
|                                  |             |      |   |                 |       | 1000    | 304.8   | 26.0  | 11.8 |   |      |      |   |   |    |    |    |     |
|                                  |             |      |   |                 |       | 2000    | 609.6   | 50.0  | 22.7 |   |      |      |   |   |    |    |    |     |
|                                  |             |      |   |                 | 5000  | 1524.0  | 135.0   | 61.3  |      |   |      |      |   |   |    |    |    |     |
|                                  |             |      |   |                 | 10000 | 3048.0  | 260.0   | 118.0 |      |   |      |      |   |   |    |    |    |     |



Shorting Fold

20 AWG stranded (7x28) tinned copper drain wire.

For Plenum versions of 8760,  
see 88760, 87760 or 82760.

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • PVC = Polyvinyl Chloride • TC = Tinned Copper

\* Capacitance between conductors.

\*\* Capacitance between one conductor and other conductors connected to shield.

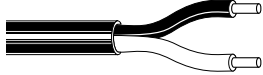
**UL Instrumentation Cable**

High-Temperature Thermocouple Extension Cables and Thermocouple Wire  
Industrial Grade Sunlight- and Oil-Resistant Jackets

| Description | Part No. | ANSI Type | No. of Pairs/Cond. | Color Code | Jacket Color | Standard Lengths |   | Standard Unit Weight |    | Insulation Thickness |    | Nominal OD |    |
|-------------|----------|-----------|--------------------|------------|--------------|------------------|---|----------------------|----|----------------------|----|------------|----|
|             |          |           |                    |            |              | Ft.              | m | Lbs.                 | kg | Inch                 | mm | Inch       | mm |

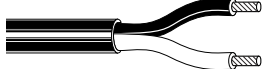
**High-Temp Extension Cable • 20 AWG Solid Conductors •** (See chart on page 18.53 for conductor specifications by ANSI Type)

**Plenum • Unshielded • FEP Insulation • FEP Jacket**

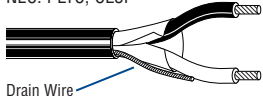
|  |              |    |     |             |        |        |       |      |     |      |     |      |      |
|--|--------------|----|-----|-------------|--------|--------|-------|------|-----|------|-----|------|------|
| 300V 200°C<br>NEC: PLTC, CL3P<br> | <b>83932</b> | KX | 2/c | Yellow, Red | Yellow | 500 †  | 152.4 | 6.5  | 3.0 | .010 | .25 | .076 | 1.93 |
|  |              |    |     |             |        | 1000 † | 304.8 | 12.0 | 5.4 |      |     | x    | x    |
|  | <b>83934</b> | TX | 2/c | Blue, Red   | Blue   | 1000 † | 304.8 | 13.0 | 6.0 | .010 | .25 | .076 | 1.93 |
|  |              |    |     |             |        |        |       |      |     |      |     | x    | x    |

**High-Temp Extension Cable • 20 AWG Stranded (7x28) Conductors •** (See chart on page 18.53 for conductor specifications by ANSI Type)

**Plenum • Unshielded • FEP Insulation • FEP Jacket**

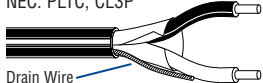
|  |              |    |     |            |       |        |       |      |     |      |     |      |      |
|--|--------------|----|-----|------------|-------|--------|-------|------|-----|------|-----|------|------|
| 300V 200°C<br>NEC: PLTC, CL3P<br> | <b>83930</b> | JX | 2/c | White, Red | Black | 500 †  | 152.4 | 7.5  | 3.4 | .010 | .25 | .082 | 2.08 |
|  |              |    |     |            |       | 1000 † | 304.8 | 13.0 | 6.0 |      |     | x    | x    |
|  |              |    |     |            |       |        |       |      |     | .010 | .25 | .140 | 3.56 |

**Plenum • Overall Beldfoil® Shield (100% Coverage) • FEP Insulation • FEP Jacket**

|  |              |    |       |             |        |        |       |      |     |      |     |      |      |
|--|--------------|----|-------|-------------|--------|--------|-------|------|-----|------|-----|------|------|
| 300V 200°C<br>NEC: PLTC, CL3P<br><br>Drain Wire | <b>83955</b> | EX | 1 pr. | Purple, Red | Purple | 500 †  | 152.4 | 9.0  | 4.1 | .010 | .25 | .145 | 3.68 |
|  |              |    |       |             |        | 1000 † | 304.8 | 16.0 | 7.3 |      |     | x    | x    |
|  | <b>83950</b> | JX | 1 pr. | White, Red  | Black  | 500 †  | 152.4 | 9.5  | 4.3 | .010 | .25 | .145 | 3.68 |
|  |              |    |       |             |        | 1000 † | 304.8 | 16.0 | 7.3 |      |     | x    | x    |
|  | <b>83952</b> | KX | 1 pr. | Yellow, Red | Yellow | 500 †  | 152.4 | 9.5  | 4.3 | .010 | .25 | .145 | 3.68 |
|  |              |    |       |             |        | 1000 † | 304.8 | 16.0 | 7.3 |      |     | x    | x    |
|  | <b>83954</b> | TX | 1 pr. | Blue, Red   | Blue   | 500 †  | 152.4 | 9.0  | 4.1 | .010 | .25 | .145 | 3.68 |
|  |              |    |       |             |        | 1000 † | 304.8 | 17.0 | 7.7 |      |     | x    | x    |

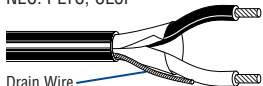
**High-Temp Extension Cable • 16 AWG Pairs Solid Conductors •** (See chart on page 18.53 for conductor specifications by ANSI Type)

**Plenum • Overall Beldfoil Shield (100% Coverage) • FEP Insulation • FEP Jacket**

|  |              |    |   |             |        |         |        |       |       |      |     |      |      |
|--|--------------|----|---|-------------|--------|---------|--------|-------|-------|------|-----|------|------|
| 300V 200°C<br>NEC: PLTC, CL3P<br><br>Drain Wire | <b>1114A</b> | EX | 1 | Purple, Red | Purple | 5000 †  | 1524.0 | 160.0 | 72.6  | .010 | .25 | .172 | 4.37 |
|  |              |    |   |             |        | 10000 † | 3048.0 | 320.0 | 145.2 |      |     | x    | x    |
|  | <b>1115A</b> | JX | 1 | White, Red  | Black  | 5000 †  | 1524.0 | 155.0 | 70.4  | .010 | .25 | .172 | 4.37 |
|  |              |    |   |             |        | 10000 † | 3048.0 | 310.0 | 140.8 |      |     | x    | x    |
|  | <b>1116A</b> | KX | 1 | Yellow, Red | Yellow | 5000 †  | 1524.0 | 160.0 | 72.6  | .010 | .25 | .171 | 4.34 |
|  |              |    |   |             |        | 10000 † | 3048.0 | 320.0 | 145.2 |      |     | x    | x    |
|  | <b>1117A</b> | TX | 1 | Blue, Red   | Blue   | 5000 †  | 1524.0 | 160.0 | 72.6  | .010 | .25 | .172 | 4.37 |
|  |              |    |   |             |        | 10000 † | 3048.0 | 320.0 | 145.2 |      |     | x    | x    |


**High-Temp Extension Cable • 16 AWG Pairs Stranded (7x24) Conductors •** (See chart on page 18.53 for conductor specifications by ANSI Type)

**Plenum • Overall Beldfoil Shield (100% Coverage) • FEP Insulation • FEP Jacket**

|  |              |    |   |             |        |        |       |      |      |      |     |      |      |
|--|--------------|----|---|-------------|--------|--------|-------|------|------|------|-----|------|------|
| 300V 200°C<br>NEC: PLTC, CL3P<br><br>Drain Wire | <b>83951</b> | JX | 1 | White, Red  | Black  | 500 †  | 152.4 | 16.0 | 7.3  | .010 | .25 | .189 | 4.80 |
|  |              |    |   |             |        | 1000 † | 304.8 | 32.0 | 14.6 |      |     | x    | x    |
|  | <b>83953</b> | KX | 1 | Yellow, Red | Yellow | 500 †  | 152.4 | 16.0 | 7.3  | .010 | .25 | .187 | 4.75 |
|  |              |    |   |             |        | 1000 † | 304.8 | 32.0 | 14.5 |      |     | x    | x    |

**High-Temp Thermocouple Wire • 20 AWG Solid Conductors •** (See chart on page 18.53 for conductor specifications by ANSI Type)

**Plenum • Unshielded • FEP Insulation • FEP Jacket**

|  |              |   |     |             |       |        |       |      |     |      |     |      |      |
|--|--------------|---|-----|-------------|-------|--------|-------|------|-----|------|-----|------|------|
| 300V 200°C<br>NEC: PLTC, CL3P<br> | <b>83915</b> | E | 2/c | Purple, Red | Brown | 500 †  | 152.4 | 7.0  | 3.2 | .010 | .25 | .076 | 1.93 |
|  |              |   |     |             |       | 1000 † | 304.8 | 13.0 | 6.0 |      |     | x    | x    |
|  | <b>83900</b> | J | 2/c | White, Red  | Brown | 100    | 30.5  | 2.1  | 1.0 | .010 | .25 | .076 | 1.93 |
|  |              |   |     |             |       | 500 †  | 152.4 | 7.0  | 3.2 |      |     | x    | x    |
|  |              |   |     |             |       | 1000 † | 304.8 | 13.0 | 6.0 |      |     | .128 | 3.25 |
|  | <b>83905</b> | K | 2/c | Yellow, Red | Brown | 100    | 30.5  | 2.1  | 1.0 | .010 | .25 | .076 | 1.93 |
|  |              |   |     |             |       | 500 †  | 152.4 | 7.0  | 3.2 |      |     | x    | x    |
|  |              |   |     |             |       | 1000 † | 304.8 | 12.0 | 5.4 |      |     | .128 | 3.25 |
|  | <b>83910</b> | T | 2/c | Blue, Red   | Brown | 100    | 30.5  | 2.1  | 1.0 | .010 | .25 | .076 | 1.93 |
|  |              |   |     |             |       | 500 †  | 152.4 | 7.0  | 3.2 |      |     | x    | x    |
|  |              |   |     |             |       | 1000 † | 304.8 | 12.0 | 5.4 |      |     | .128 | 3.25 |

FEP = Fluorinated Ethylene-propylene

Multiple pair cables have each pair numbered for ease of identification.

†Final put-up length may vary ±10% from length shown.

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