

Industrial Data Solutions® — Industrial Twinax

Belden® Blue Hose® Selection Guide for PLC and DCS Applications

| Part No. | Description | Specifications |
|----------|---|---|
| 9463 | Blue Hose Standard Data Highway Cable A Standard Data Highway Cable that is sometimes referred to as Blue Hose. Designed to be used in light industrial environments. Available in Blue, Brown or Orange up to 10,000 ft. special lengths. | 1-pair, 20 AWG stranded (7x28) tinned copper, polyethylene insulation (color coded Blue, Clear), Beldfoil® + 55% tinned copper braid and drain wire, Blue sunlight-resistant PVC jacket. Nominal diameter: .238". |
| 3072F | 600V Data Highway Cable — UL Type TC A DataTray® cable designed for cable tray use in industrial applications. Cable can occupy same tray or conduit as 600V power cables. | 1-pair, 18 AWG stranded (7x26) tinned copper, flame-retardant polyolefin insulation (color coded Blue, White), Beldfoil + 55% tinned copper braid and drain wire, Blue sunlight-resistant PVC jacket. Nominal diameter: .324". UL-1277 600V TC/PLTC/ITC/CMG. |
| 9463F | High-Flex Cable A highly flexible version of the standard Blue Hose cable. The cable also has heavier braid coverage for better noise immunity. | 1-pair, 20 AWG stranded (42x36) tinned copper, polyethylene insulation (color coded Blue, Clear), Beldfoil + 85% tinned copper braid, Blue sunlight-resistant PVC jacket. Nominal diameter: .243". |
| YR28826* | Dual Blue Hose Cable Dual Data Highway/Remote I/O cable has two Twinax pairs individually shielded with an overall braid. Designed for use in daisy chain applications or applications requiring two Blue Hose cables. | 2-pair, 20 AWG stranded (7x28) tinned copper, polyethylene insulation (color coded Blue, Clear), each pair Beldfoil shielded (1 pair Blue tape and 1 pair Green tape), 85% tinned copper braid and drain wire, Blue PVC jacket. Nominal diameter: .382". |
| YC39151* | Dual Armored Data Highway Cable Features two twinax pairs individually shielded with an overall braid, an inner PVC jacket, aluminum interlocked armor, with an outer PVC jacket. Designed for use in daisy chain applications or applications requiring two Blue Hose cables, with the extra mechanical protection and electrical shielding provided by the armor. | 2-pair, 20 AWG stranded (7x28) tinned copper, polyethylene insulation (color coded Blue, Clear), each pair Beldfoil shielded, 55% tinned copper braid and drain wire, Blue PVC inner jacket, aluminum interlocked armor, Blue sunlight-resistant PVC outer jacket. Nominal diameter: .820". |
| 9463DB | Gel-Filled Direct Burial Cable A gel-filled Blue Hose cable featuring a low-density polyethylene (LDPE) jacket. Especially suited for high-moisture environments and burial applications. | 1-pair, 20 AWG stranded (7x28) tinned copper, polyethylene insulation (color coded Blue, Clear), Beldfoil + 55% tinned copper braid and drain wire, CoreGuard® flooding compound, Blue sunlight-resistant low density polyethylene jacket. Nominal diameter: .240". |
| 89463 | Plenum Cable A plenum, 200°C grade cable that is suitable for installations where high and low temperatures, as well as corrosive environments, are encountered. | 1-pair, 20 AWG stranded (7x28) tinned copper, FEP insulation (color coded Blue, Clear), Beldfoil + 76% tinned copper braid and drain wire, Blue FEP jacket. Nominal diameter: .203". |
| YR28764* | Thick-Wall, Heavy-Duty Cable — UL Type PLTC A rugged, heavy-duty cable specially designed for abusive environments. A .069" thick jacket provides extra protection against cuts and abrasion. | 1-pair, 20 AWG stranded (7x28) tinned copper, polyethylene insulation (color coded Blue, Clear), Beldfoil + 55% tinned copper braid and drain wire, Blue sunlight-resistant PVC jacket. Nominal diameter: .380". |
| YR41104* | Low Smoke, Zero Halogen Cable For applications concerned with smoke emissions, toxicity and electronic component corrosion. | 1-pair, 20 AWG stranded (7x28) tinned copper, polyethylene insulation (color coded Blue, Clear), Beldfoil + 55% tinned copper braid and drain wire, Blue Haloarrest® jacket. Nominal diameter: .256". |
| 129463 | Aluminum Interlocked Armor Blue Hose Cable Features interlocked aluminum armor combined with a PVC jacket and is an ideal alternative to conduit installation. Provides both mechanical protection and electrical shielding. Up to 25 Data Highway cables can be bundled under one sheath. | 1-pair, 20 AWG stranded (7x28) tinned copper, polyethylene insulation (color coded Blue, Clear), Beldfoil + 55% tinned copper braid and drain wire, Blue PVC inner jacket, aluminum interlocked armor, Blue PVC sunlight-resistant outer jacket. Nominal overall diameter: .563". |
| 139463 | Steel Interlocked Armor Blue Hose Cable Features interlocked galvanized steel armor combined with a PVC jacket. Provides mechanical protection and electrical shielding, as well as prevention against the low-frequency 60 Hz magnetic noise from power lines. Up to 25 cables can be bundled under one sheath. | 1-pair, 20 AWG stranded (7x28) tinned copper, polyethylene insulation (color coded Blue, Clear), Beldfoil + 55% tinned copper braid and drain wire, Blue PVC inner jacket, steel interlocked armor, Blue sunlight-resistant outer PVC jacket. Nominal overall diameter: .563". |
| 189463 | Continuously Corrugated Aluminum Armor Blue Hose Cable Features continuously corrugated aluminum armor combined with a PVC jacket. Provides mechanical protection, electrical shielding and is impervious to moisture. | 1-pair, 20 AWG stranded (7x28) tinned copper, polyethylene insulation (color coded Blue, Clear), Beldfoil + 55% tinned copper braid and drain wire, Blue PVC inner jacket, continuously corrugated aluminum armor, Blue sunlight-resistant PVC outer jacket. Nominal overall diameter: .500". |
| YR29565* | Colored Blue Hose When your application calls for multiple Blue Hose cables you can rest assured that Belden has the solution. This special construction is available in Red, Yellow, Green, White or Pink. | 1-pair, 20 AWG stranded (7x28) tinned copper, polyethylene insulation (color coded Blue, Clear), Beldfoil + 55% tinned copper braid and drain wire, sunlight-resistant PVC jacket. Nominal diameter: .238". |

*Custom made product. Minimum order quantity may apply.

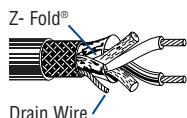
Industrial Data Solutions® — Industrial Twinax Blue Hose® Cables

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

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)

| | | | | | | | | | | | | | | | | | | | |
|------------------|-------------|--------|---------------------|---------|-------|-------|----------|------|------|----------|------|------|----|-----|------|------|-----|------|------|
| Blue Hose | 9463 | 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 [▲] | 304.8 | 37.0 | 16.8 | Copper | | | 13.4Ω/km | | | | | | | 200 | 11.0 | 36.1 |
| | | | 6000 ^{▲†} | 1828.8 | 222.0 | 100.9 | 9.5Ω/M' | | | | | | | | | | 400 | 16.0 | 52.5 |
| | | | 10000 ^{▲†} | 3048.0 | 370.0 | 168.0 | 31.0Ω/km | | | | | | | | | | | | |



CPE jacket optional.

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

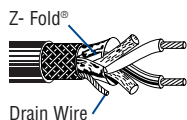
[▲]1000 ft. and 6000 ft. put-ups also available in Brown, Orange or Purple.

^{▲†}10000 ft. put-up available in Brown or Orange only.

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

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

| | | | | | | | | | | | | | | | | | | | |
|--|---------------|---|------|--------|-------|------|----------|------|------|----------|------|------|----|-----|------|------|-----|------|------|
| Flooded Direct Burial Blue Hose | 9463DB | — | 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 | | | | | | | | | | | | |



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)

| | | | | | | | | | | | | | | | | | | | |
|----------------------------|--------------|--------|------|--------|-------|------|----------|------|------|----------|------|------|----|-----|------|------|-----|------|------|
| High-Flex Blue Hose | 9463F | 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 |
| UL AWM | | CM CL2 | 5000 | 1524.0 | 205.0 | 93.1 | (42x36) | | | +85% | | | | | | | 10 | 2.1 | 6.9 |
| Style 2464 | | CEC: | | | | | .038" | | | TC Braid | | | | | | | 50 | 5.0 | 16.4 |
| (300V 60°C) | | 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 | | | | | | | | | | | | |

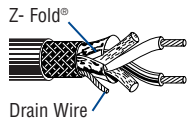


Allen-Bradley P/N 1770-CD • P-7K-SC-182141-MSHA*

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)

| | | | | | | | | | | | | | | | | | | | |
|-----------------------------------|--------------|----------|------|-------|------|------|----------|------|------|----------|------|------|----|-----|------|------|-----|------|------|
| High Temperature Blue Hose | 89463 | 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 | | | | | | | | | | | | |



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

Blue Hose® and Other Twinaxial Cables

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

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

Aluminum Interlocked Armor • PE Insulation • Blue Sunlight-resistant PVC Outer Jacket* (Color Code: Clear, Blue)

| | | | | | | | | | | | | | | | | | | |
|--|---------------|--------------------------------|-------|--------|-------|----------|--------|------|------|----------|---------------|-------|-----|------|------|------|------|------|
| Aluminum Armored Blue Hose 300V 60°C | 129463 | NEC: | 1000† | 304.8 | 122.0 | 55.5 | 20 AWG | .154 | 3.91 | Beldfoil | Inner Jacket: | 78 | 66% | 19.7 | 64.6 | 1 | .6 | 2.0 |
| | | CM CL2 | 6000† | 1828.8 | 924.0 | 420.0 | (7x28) | | | +55% | .238 | 6.05 | | | | 10 | 2.1 | 6.9 |
| | | CEC: | | | | | .038" | | | TC Braid | | | | | | 50 | 5.0 | 16.4 |
| | | CM, | | | | | Tinned | | | 4.1Ω/M' | Overall: | | | | | 100 | 7.5 | 24.6 |
| | | CMG FT4, HLBCD (Haz Loc) | | | | | Copper | | | 13.4Ω/km | .563 | 14.30 | | | | 200 | 11.0 | 36.1 |
| | | | | | | 9.5Ω/M' | | | | | | | | 400 | 16.0 | 52.5 | | |
| | | | | | | 31.0Ω/km | | | | | | | | | | | | |



Drain Wire

*Blue PVC inner jacket.
Allen-Bradley P/N 1770-CD

Steel Interlocked Armor • PE Insulation • Blue Sunlight-resistant PVC Outer Jacket* (Color Code: Clear, Blue)

| | | | | | | | | | | | | | | | | | | |
|---|---------------|--------------------------------|-------|--------|--------|----------|--------|------|------|----------|---------------|-------|-----|------|------|------|------|------|
| Steel Armored Blue Hose 300V 60°C | 139463 | NEC: | 1000† | 304.8 | 220.0 | 100.0 | 20 AWG | .154 | 3.91 | Beldfoil | Inner Jacket: | 78 | 66% | 19.7 | 64.6 | 1 | .6 | 2.0 |
| | | CM CL2 | 6000† | 1828.8 | 1488.0 | 676.4 | (7x28) | | | +55% | .238 | 6.05 | | | | 10 | 2.1 | 6.9 |
| | | CEC: | | | | | .038" | | | TC Braid | | | | | | 50 | 5.0 | 16.4 |
| | | CM, | | | | | Tinned | | | 4.1Ω/M' | Overall: | | | | | 100 | 7.5 | 24.6 |
| | | CMG FT4, HLBCD (haz loc) | | | | | Copper | | | 13.4Ω/km | .563 | 14.30 | | | | 200 | 11.0 | 36.1 |
| | | | | | | 9.5Ω/M' | | | | | | | | 400 | 16.0 | 52.5 | | |
| | | | | | | 31.0Ω/km | | | | | | | | | | | | |



Drain Wire

*Blue PVC inner jacket.
Allen-Bradley P/N 1770-CD

Continuously Corrugated AL Armor • PE Insulation • Blue Sunlight-resistant PVC Outer Jacket* (Color Code: Clear, Blue)

| | | | | | | | | | | | | | | | | | | |
|--|---------------|--------------------------------|-------|-------|-------|----------|--------|------|------|----------|---------------|-------|-----|------|------|------|------|------|
| Continuously Armored Blue Hose 300V 60°C | 189463 | NEC: | 2000† | 609.6 | 258.0 | 117.1 | 20 AWG | .154 | 3.91 | Beldfoil | Inner Jacket: | 78 | 66% | 19.7 | 64.6 | 1 | .6 | 2.0 |
| | | PLTC | | | | | (7x28) | | | +55% | .238 | 6.05 | | | | 10 | 2.1 | 6.9 |
| | | CEC: | | | | | .038" | | | TC Braid | | | | | | 50 | 5.0 | 16.4 |
| | | CM, | | | | | Tinned | | | 4.1Ω/M' | Overall: | | | | | 100 | 7.5 | 24.6 |
| | | CMG FT4, HLBCD (haz loc) | | | | | Copper | | | 13.4Ω/km | .500 | 12.70 | | | | 200 | 11.0 | 36.1 |
| | | | | | | 9.5Ω/M' | | | | | | | | 400 | 16.0 | 52.5 | | |
| | | | | | | 31.0Ω/km | | | | | | | | | | | | |



Drain Wire

*Blue PVC inner jacket.
Allen-Bradley P/N 1770-CD

78 Ohm • 20 AWG Stranded (7x28) .038" Tinned Copper Conductors • Tinned Copper Braid Shield (93% Coverage)

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

| | | | | | | | | | | | | | | | | | | | |
|--------------------------------------|-------------|------|--------|---------|------|----------|--------|------|------|----------|---|------|----|-----|------|------|------|------|-----|
| UL AWM Style 2092 (300V 60°C) | 9272 | NEC: | 100 | 30.5 | 4.5 | 2.0 | 20 AWG | .156 | 3.96 | 93% | .244 | 6.20 | 78 | 66% | 19.7 | 64.6 | 1 | .6 | 2.0 |
| | | CM | U-500 | U-152.4 | 20.5 | 9.3 | (7x28) | | | TC Braid | | | | | | 10 | 2.1 | 6.9 | |
| | | CEC: | 500 | 152.4 | 20.0 | 9.1 | .038" | | | Shield | | | | | | 50 | 5.0 | 16.4 | |
| | | CM | U-1000 | U-304.8 | 41.0 | 18.6 | Tinned | | | 3.4Ω/M' | For Plenum version of 9272, see 89272. | | | | | 100 | 7.5 | 24.6 | |
| | | | 1000 | 304.8 | 40.0 | 18.2 | Copper | | | 11.2Ω/km | CPE jacket optional. | | | | | 200 | 11.0 | 36.1 | |
| | | | | | | 9.5Ω/M' | | | | | | | | 400 | 16.0 | 52.5 | | | |
| | | | | | | 31.0Ω/km | | | | | | | | | | | | | |



95 Ohm • RG-22B/U Type • 18 AWG Stranded (7x26) Bare Copper Conductors†† • TC Double Braid Shield (95% Coverage)

Polyethylene Insulation • PE Inner Jacket • Black Non-contaminating PVC Outer Jacket

| | | | | | | | | | | | | | | | | | | | |
|------------------|-------------|---|------|-------|----------|------|---------|---------|------|----------|----------------------|-------|----|-----|------|------|-----|-----|-----|
| 80°C VW-1 | 9250 | — | 500 | 152.4 | 61.5 | 27.9 | 18 AWG | .285 | 7.24 | 2 | .416 | 10.57 | 95 | 66% | 16.0 | 52.5 | 1 | .3 | 1.0 |
| | | | 1000 | 304.8 | 121.0 | 54.9 | (7x26) | | | TC Braid | | | | | | 10 | .9 | 3.0 | |
| | | | | | | | .046" | | | 95% | | | | | | 20 | 1.3 | 4.3 | |
| | | | | | | | BC | | | Shield | | | | | | 50 | 2.1 | 6.9 | |
| | | | | | | | 6.6Ω/M' | | | .9Ω/M' | CPE jacket optional. | | | | | 100 | 3.0 | 9.8 | |
| | | | | | 21.5Ω/km | | | 3.0Ω/km | | | | | | 400 | 6.3 | 20.7 | | | |



††One conductor has tinned center strand.

AL = Aluminum • BC = Bare Copper • DCR = DC Resistance • PE = Polyethylene • TC = Tinned Copper

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

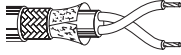
Industrial Data Solutions® — Industrial Twinax

Twinaxial Cables

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths | | Standard Unit Weight | | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD | | Shielding Materials Nom. DCR | Nominal OD | | Nom. Imp. of Prop. (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 | 9207 | NEC: | 100 | 30.5 | 7.1 | 3.2 | 20 AWG | .236 | 5.99 | Duofoil | .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) | | | + 86% | | | | | | | 10 | 1.2 | 3.9 |
| | | CEC: | 500 | 152.4 | 34.5 | 15.7 | .037" | | | TC Braid | | | | | | | 50 | 2.8 | 9.2 |
| | | CMG FT4 | 1000 | 304.8 | 68.0 | 30.9 | 1 TC | | | 2.5Ω/M' | | | | | | | 100 | 4.1 | 13.5 |
| | | | 1640 | 500.0 | 111.5 | 50.7 | 1 BC | | | 8.2Ω/km | | | | | | | 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

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 | 9271 | 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 |
| | | | | | | | 31.8Ω/M' | | | | | | | | | | 400 | 9.6 | 31.5 |
| | | | | | | | 104.3Ω/km | | | | | | | | | | | | |

Shorting Fold

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 | 9860 | 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 | | | | | | | | | | | | |

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 | 9182 | 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 | | | | | | | | | | | | |

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

| | | | | | | | | | | | | | | | | | | | |
|---|--------------|---------|-------|-------|------|------|----------|------|------|----------|------|------|-----|-----|-----|------|-----|-----|------|
| | 89182 | 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 Twinax**DataTray® 600V Twinaxial Cables**

| Description | Part No. | UL NEC/ C(UL) CEC Type | Standard Lengths | | Standard Unit Weight | | Conductor (stranding) Diameter Nom. DCR | Nominal Core OD | | Shielding Materials Nom. DCR | Nominal OD | | Nom. Imp. (Ω) | Nom. Vel. of Prop. | Nominal Capacitance | | Nominal Attenuation | | |
|---|--------------|---|---|---|---|---|--|-----------------|----|---|---------------|-----|------------------|-----------------------|---|------------------------------------|--|--|-------------|
| | | | Ft. | m | Lbs. | kg | | Inch | mm | | Inch | mm | | | pF/Ft. | pF/m | MHz | dB/ 100 Ft. | dB/ 100m |
| 18 AWG Stranded (7x26) Tinned Copper Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (55% Coverage) • TC Drain Wire | | | | | | | | | | | | | | | | | | | |
| Flame-retardant Polyolefin Insulation • Blue Sunlight-resistant PVC Jacket (Color Code: Natural, Blue) | | | | | | | | | | | | | | | | | | | |
| UL Type TC 600V 75°C | 3072F | NEC: CMG, ITC TC, PLTC CEC: CMG FT4 | 250 500 1000 2500 5000† 10000† | 76.2 152.4 304.8 762.0 1524.0 3048.0 | 17.5 35.0 69.0 170.0 345.0 710.0 | 8.0 15.9 31.3 77.2 156.6 322.3 | 18 AWG (7x26) .046" Tinned Copper 6.9Ω/M' 22.7Ω/km | .192 4.88 | | Beldfoil +55% TC Braid (100% Shield) Copper 3.2Ω/M' 10.4Ω/km | .324 8.23 | 78 | 65% | 19.5 | 64 | 1 10 50 100 200 400 | .5 2.0 3.8 5.4 7.6 10.7 | 1.7 6.5 12.4 17.6 24.8 35.1 | |
| | | | | | | | | | | | | | | | For CPE jacketed version order Part No. YM45044. | | | | |
| P-MSHA-C-7K-1827* | | | | | | | | | | | | | | | | | | | |
| UL Type TC 600V 75°C | 3073F | NEC: CMG, ITC TC, PLTC CEC: CMG FT4 | 250 1000 5000† | 76.2 304.8 1524.0 | 21.0 85.0 420.0 | 9.5 38.6 190.7 | 18 AWG (7x26) .046" Tinned Copper 6.9Ω/M' 22.7Ω/km | .246 6.25 | | Beldfoil +55% TC Braid (100% Shield) Copper 2.9Ω/M' 9.6Ω/km | .388 9.86 | 100 | 65% | 15.3 | 50.2 | 1 10 50 100 200 400 | .4 1.3 3.0 4.2 6.0 7.5 | 1.3 4.4 9.7 13.8 19.5 24.7 | |
| | | | | | | | | | | | | | | | CPE jacket optional. | | | | |
| UL Type TC 600V 75°C | 3074F | NEC: CMG, ITC TC, PLTC CEC: CMG FT4 | 500 1000 2500 | 152.4 304.8 762.0 | 62.5 121.0 300.0 | 28.4 54.9 136.2 | 18 AWG (7x26) .046" Tinned Copper 6.9Ω/M' 22.7Ω/km | .328 8.33 | | Beldfoil +55% TC Braid (100% Shield) Copper 2.8Ω/M' 9.1Ω/km | .460 11.68 | 124 | 65% | 12.3 | 40.3 | 1 10 50 100 200 400 | .3 1.1 2.4 3.4 4.8 6.8 | 1.1 3.5 7.8 11.1 15.7 22.2 | |
| | | | | | | | | | | | | | | | CPE jacket optional. | | | | |

DCR = DC Resistance • TC = Tinned Copper if conductor, or Tray Cable if NEC rating.

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

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