


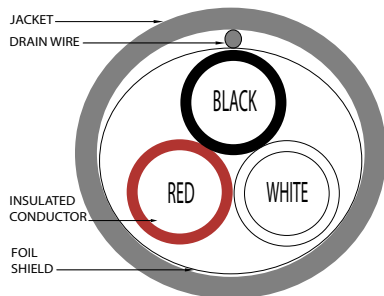
Control and Signal Cable

| Q8165-1 Shielded 3-Conductor 24AWG Cable Specifications | | | |
|---|--|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal ±0.002 Inch |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.094 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.162 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 33 pF/ft | Jacket Thickness | 0.032 inch; nominal |
| Capacitance, Grounded, Nom. | 65 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM UL AWM STYLE 2464 CSA AWM FT4 |
| Drain | 24AWG 7-32 Stranded Tinned Copper Drain Wire | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black, White, Red | Sample Print Legend | QUABBIN 8165 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

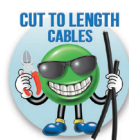
* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8165-1 Shielded 3-Conductor 24AWG Cable Specifications | | | | | | | | |
|---|----------------------|-----|--------|-----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ± 10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8165-1 | 3 | 24 | 7 | 0.162 [4.11 mm] | 1.62 | 30 | 0.0163 | \$0.25 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

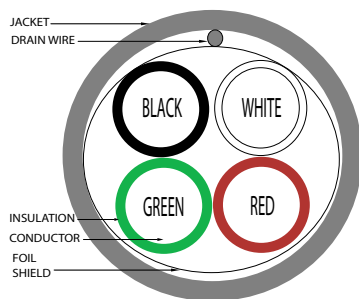
Control and Signal Cable

| Q8170-1 Shielded 4-Conductor 24AWG Cable Specifications | | | |
|---|--|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal ±0.002 Inch |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.106 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.180 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 33 pF/ft | Jacket Thickness | 0.035 inch; nominal |
| Capacitance, Grounded, Nom. | 65 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM UL AWM STYLE 2464 CSA AWM FT4 |
| Drain | 24AWG 7-32 Stranded Tinned Copper | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | Sample Print Legend | QUABBIN 8170 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Identification | Black, White, Red, Green | | |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8170-1 Shielded 4-Conductor 24AWG Cable Specifications | | | | | | | | |
|--|----------------------|-----|--------|----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ±10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8170-1 | 4 | 24 | 7 | 0.180 [4.57 mm] | 1.80 | 30 | 0.0192 | \$0.28 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

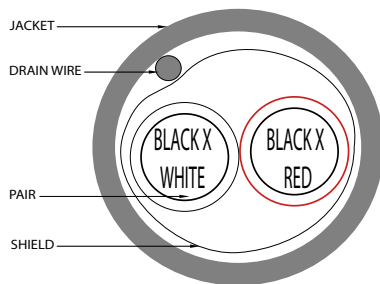
Control and Signal Cable

| Q8110-1 2 Shielded Pairs 24AWG Cable Specifications | | | |
|---|--|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.130 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.243 inch; nominal |
| Temperature Rating, Min. | -40°C (-40°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 30 pF/ft | Jacket Thickness | 0.032 inch; nominal |
| Capacitance, Grounded, Nom. | 50 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM CSA AWM FT4 UL AWM STYLE 2464 |
| Drain | 24AWG 7/30 Stranded Tinned Copper | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black-Red, Black-White | Sample Print Legend | QUABBIN 8110 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8110-1 2 Shielded Pairs 24AWG Cable Specifications | | | | | | | | |
|--|-----------------|-----|--------|-----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Pairs | AWG | Strand | Maximum O.D. (Inches ± 10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8110-1 | 2 | 24 | 7 | 0.243 [6.17 mm] | 2.43 | 30 | 0.021 | \$0.35 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

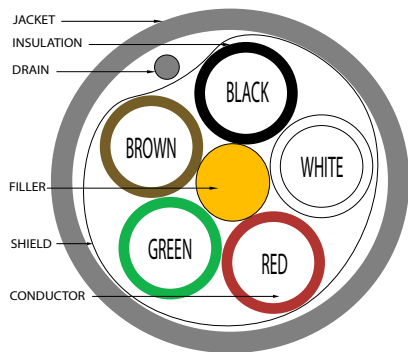
Control and Signal Cable

| Q8175-1 Shielded 5-Conductor 24AWG Cable Specifications | | | |
|---|--|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal ±0.002 Inch |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.119 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.195 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 33 pF/ft | Jacket Thickness | 0.032 inch; nominal |
| Capacitance, Grounded, Nom. | 65 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM UL AWM STYLE 2464 CSA AWM FT4 |
| Drain | 24AWG 7-32 Stranded Tinned Copper Drain Wire | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black, White, Red, Green, Brown | Sample Print Legend | QUABBIN 8175 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8175-1 Shielded 5-Conductor 24AWG Cable Specifications | | | | | | | | |
|--|----------------------|-----|--------|-----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ± 10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8175-1 | 5 | 24 | 7 | 0.195 [4.95 mm] | 1.95 | 30 | 0.0221 | \$0.33 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths

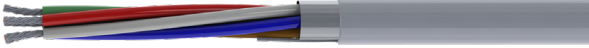


Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

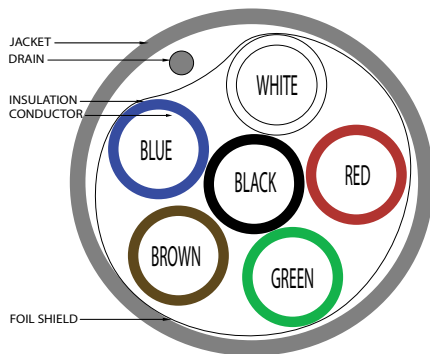
Control and Signal Cable

| Q8180-1 Shielded 6-Conductor 24AWG Cable Specifications | | | |
|---|--|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal ±0.002 Inch |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.130 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.200 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 33 pF/ft | Jacket Thickness | 0.032 inch; nominal |
| Capacitance, Grounded, Nom. | 65 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM UL AWM STYLE 2464 CSA AWM FT4 |
| Drain | 24AWG 7-32 Stranded Tinned Copper Drain Wire | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black, White, Red, Green, Brown, Blue | Sample Print Legend | QUABBIN 8180 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8180-1 Shielded 6-Conductor 24AWG Cable Specifications | | | | | | | | |
|--|----------------------|-----|--------|----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ±10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8180-1 | 6 | 24 | 7 | 0.200 [5.08 mm] | 2.00 | 30 | 0.0239 | \$0.35 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

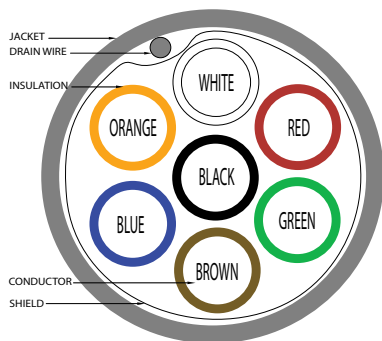
Control and Signal Cable

| Q8185-1 Shielded 7-Conductor 24AWG Cable Specifications | | | |
|---|--|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.147 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.204 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 30 pF/ft | Jacket Thickness | 0.032 inch; nominal |
| Capacitance, Grounded, Nom. | 50 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM CSA AWM FT4 UL AWM STYLE 2464 |
| Drain | 24AWG 7/30 Stranded Tinned Copper | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black, white, red, green, brown, blue, orange | Sample Print Legend | QUABBIN 8185 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8185-1 Shielded 7-Conductor 24AWG Cable Specifications | | | | | | | | |
|--|----------------------|-----|--------|----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ±10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8185-1 | 7 | 24 | 7 | 0.204 [5.18 mm] | 2.04 | 30 | 0.0266 | \$0.88 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

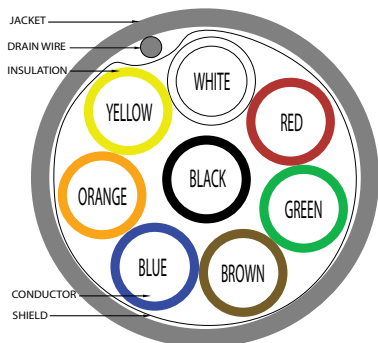
Control and Signal Cable

| Q8190-1 Shielded 8-Conductor 24AWG Cable Specifications | | | |
|---|---|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.158 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.222 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 33 pF/ft | Jacket Thickness | 0.032 inch; nominal |
| Capacitance, Grounded, Nom. | 65 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM CSA AWM FT4 UL AWM STYLE 2464 |
| Drain | 24AWG 7/32 Stranded Tinned Copper | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black, white, red, green, brown, blue, orange, yellow | Sample Print Legend | QUABBIN 8190 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8190-1 Shielded 8-Conductor 24AWG Cable Specifications | | | | | | | | |
|--|----------------------|-----|--------|----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ±10%) | Minimum Installed Bend Radius (inches) [†] | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8190-1 | 8 | 24 | 7 | 0.222 [5.63 mm] | 2.22 | 30 | 0.0293 | \$0.48 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

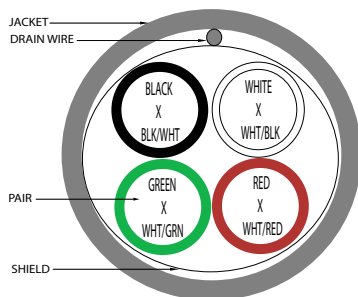
Control and Signal Cable

| Q8508-1 Shielded 4 Twisted Pair 24AWG Cable Specifications | | | |
|--|--|-------------------------------------|---|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.054 inch; nominal ±0.002 Inch |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.210 inch; nominal |
| Temperature Rating, Max. | 60°C & 75°C (140°F & 167°F) | Overall Diameter | 0.283 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 13 pF/ft | Jacket Thickness | 0.032 inch; nominal |
| Capacitance, Grounded, Nom. | 24 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 1500V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | None |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM UL STYLE 2448 CSA TYPE CMG |
| Drain | 24AWG 7-32 Stranded Tinned Copper Drain Wire | | |
| Conductor Insulation Material | Polyethylene (PE) | | |
| Conductor Identification | Black x Black/White White x White/Black Red x White/Red Green x White/Green | Sample Print Legend | QUABBIN 8508 (UL) TYPE CM 24 AWG 75C OR AWM 2448 -- LOW VOLTAGE COMPUTER CABLE -- CSA LL51726 TYPE CMG 60C -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.015 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |
| Pair Diameter | 0.108 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8508-1 Shielded 4 Twisted Pair 24AWG Cable Specifications | | | | | | | | |
|--|----------------------|-----|--------|-----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ± 10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8508-1 | 4 twisted pair | 24 | 7 | 0.283 [7.19 mm] | 2.83 | 30 | 0.0359 | \$0.57 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

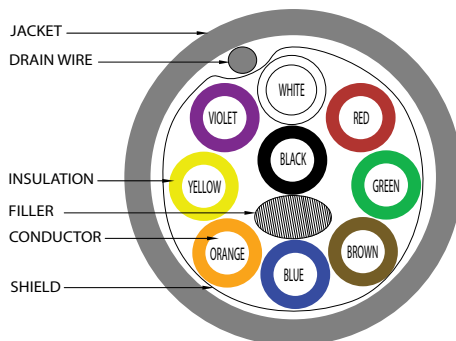
Control and Signal Cable

| Q8195-1 Shielded 9-Conductor 24AWG Cable Specifications | | | |
|---|---|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.160 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.235 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 33 pF/ft | Jacket Thickness | 0.035 inch; nominal |
| Capacitance, Grounded, Nom. | 65 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 1500V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM CSA AWM FT4 UL AWM STYLE 2464 |
| Drain | 24AWG 7/32 Stranded Tinned Copper | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black, white, red, green, brown, blue, orange, yellow, purple | Sample Print Legend | QUABBIN 8195 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8195-1 Shielded 9-Conductor 24AWG Cable Specifications | | | | | | | | |
|--|----------------------|-----|--------|-----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ± 10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8195-1 | 9 | 24 | 7 | 0.235 [5.97 mm] | 2.35 | 30 | 0.0346 | \$0.56 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

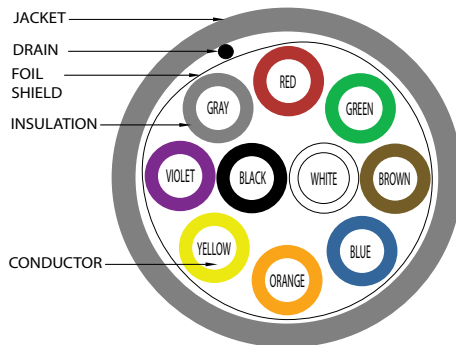
Control and Signal Cable

| Q8200-1 Shielded 10-Conductor 24AWG Cable Specifications | | | |
|--|---|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.169 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.237 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 30 pF/ft | Jacket Thickness | 0.032 inch; nominal |
| Capacitance, Grounded, Nom. | 55 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM CSA AWM FT4 UL AWM STYLE 2464 |
| Drain | 24AWG 7/32 Stranded Tinned Copper | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black, white, red, green, brown, blue, orange, yellow, purple, gray | Sample Print Legend | QUABBIN 8200 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

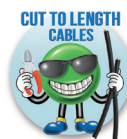
* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8200-1 Shielded 10-Conductor 24AWG Cable Specifications | | | | | | | | |
|--|----------------------|-----|--------|-----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ± 10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8200-1 | 10 | 24 | 7 | 0.237 [6.02 mm] | 2.37 | 30 | 0.0346 | \$0.59 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

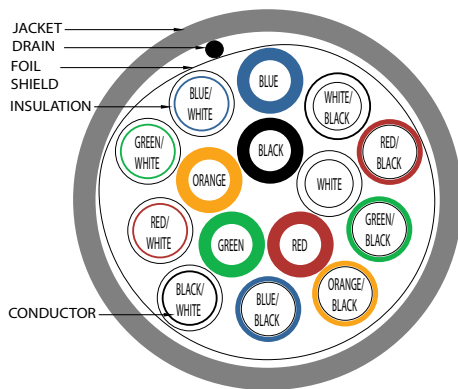
Control and Signal Cable

| Q8205-1 Shielded 15-Conductor 24AWG Cable Specifications | | | |
|--|--|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.207 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.280 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 30 pF/ft | Jacket Thickness | 0.035 inch; nominal |
| Capacitance, Grounded, Nom. | 55 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM CSA AWM FT4 UL AWM STYLE 2464 |
| Drain | 24AWG 7/32 Stranded Tinned Copper | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black, white, red, green, orange, blue, white/black, red/black, green/black, orange/black, blue/black, black/white, red/white, green/white, blue/white | Sample Print Legend | QUABBIN 8205 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8205-1 Shielded 15-Conductor 24AWG Cable Specifications | | | | | | | | |
|--|----------------------|-----|--------|-----------------------------|---|---------------------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ± 10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft) ^{**} | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8205-1 | 15 | 24 | 7 | 0.280 [7.11 mm] | 2.80 | 30 | 0.0482 | \$0.91 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

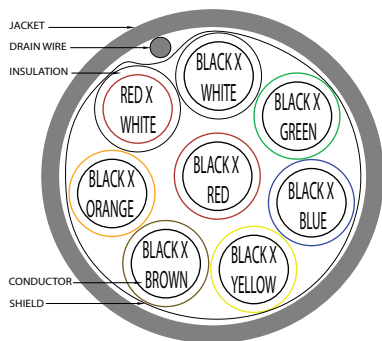
Control and Signal Cable

| Q8138-1 8 Shielded Pairs 24AWG Cable Specifications | | | |
|---|---|-------------------------------------|--|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.237 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.315 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 30 pF/ft | Jacket Thickness | 0.032 inch; nominal |
| Capacitance, Grounded, Nom. | 50 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM CSA AWM FT4 UL AWM STYLE 2464 |
| Drain | 24AWG 7/30 Stranded Tinned Copper | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black-red, black-white, black-green, black-blue, black-yellow, black-brown, black-orange, red-white | Sample Print Legend | QUABBIN 8138 (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8138-1 8 Shielded Pairs 24AWG Cable Specifications | | | | | | | | |
|--|-----------------|-----|--------|-----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Pairs | AWG | Strand | Maximum O.D. (Inches ± 10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8138-1 | 8 | 24 | 7 | 0.315 [8.00 mm] | 3.15 | 30 | 0.0561 | \$0.88 |

1. Installed bend radius ≥ 10x diameter



** See web store www.AutomationDirect.com for maximum cut lengths




Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

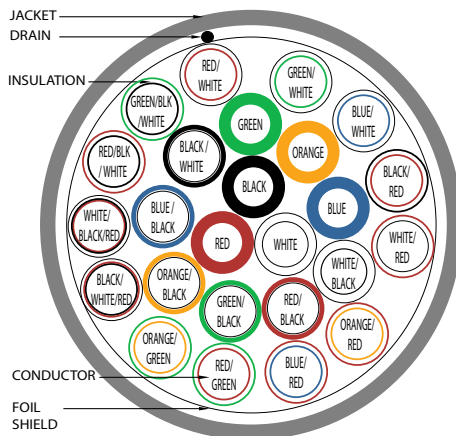
Control and Signal Cable

| Q8215-1 Shielded 25-Conductor 24AWG Cable Specifications | | | |
|--|---|-------------------------------------|---|
| Conductors Gauge & Stranding | 24AWG 7/32 Stranded Tinned Copper | Insulated Conductor Diameter | 0.044 inch; nominal |
| Voltage Rating | 300V | Twisted Conductor Diameter | 0.257 inch; nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.340 inch; nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 30 pF/ft | Jacket Thickness | 0.040 inch; nominal |
| Capacitance, Grounded, Nom. | 55 pF/ft | Jacket Material | Polyvinyl chloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 26.2 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals* | NEC (UL) TYPE CM CSA AWM FT4 UL AWM STYLE 2464 |
| Drain | 24AWG 7/32 Stranded Tinned Copper | | |
| Conductor Insulation Material | Polyvinyl chloride (PVC) | | |
| Conductor Identification | Black, white, red, green, orange, blue, white/black, red/black, green/black, orange/black, blue/black, black/white, red/white, green/white, blue/white, black/red, white/red, orange/red, blue/red, red/green, orange/green, blk/wht/red, red/blk/wht, gm/blk/wht | Sample Print Legend | QUABBIN 8215R (UL) TYPE CM 24 AWG SHIELDED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.010 inch; nominal | | |
| Bare Conductor Diameter | 0.024 inch; nominal | | |

* To obtain the most current agency approval information, see the Agency Approval Checklist section on the specific part number's web page at www.AutomationDirect.com

| Q8215-1 Shielded 25-Conductor 24AWG Cable Specifications | | | | | | | | |
|--|----------------------|-----|--------|-----------------------------|---|---------------------------|----------------------------|----------------|
| Part Number | Number of Conductors | AWG | Strand | Maximum O.D. (Inches ± 10%) | Minimum Installed Bend Radius (inches) ¹ | Minimum Cut Length (ft)** | Approximate Weight (lb/ft) | Price per foot |
|  | | | | | | | | |
| Q8215-1 | 25 | 24 | 7 | 0.340 [8.64 mm] | 3.40 | 30 | 0.0804 | \$1.46 |

1. Installed bend radius ≥ 10x diameter



Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

** See web store www.AutomationDirect.com for maximum cut lengths

Control and Signal Cable

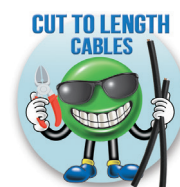


Control and signal cable from Quabbin is available in sizes from 24 AWG to 16 AWG with up to 25 conductors. These are available either in unshielded or shielded constructions. Individual conductors are stranded tinned copper with color coded insulation for easy identification, with an industry standard PVC chrome gray jacket. Shielded versions include an overall aluminum mylar foil tape with a tinned copper drain wire for maximum effectiveness against external electrical noise interference.

With a 300 and 600 volt rating, these cables are ideal for low voltage control signals and audio applications.

The 4-conductor unshielded versions are designed to work directly with our SureStep® STP-DRV drives for applications where a longer cable is required. The cables carry both UL and CSA approvals and are proudly made in the USA. Combining all that with our cut to length ordering, eliminates unnecessary expense and waste by ordering only the length needed, in 1 foot increments with a low 30 foot minimum, makes these cables a great value.

| Quabbin Control and Signal Cable Application Examples | |
|---|---|
| Part Number | Common Application |
| Q8508-1 | Low capacitance, RS-232 computer interconnect, extended distance cable, RoHS compliant materials |
| Q8215-1 | RS-232 computer interconnect, instrumentation, audio, broadcast, Class 2 circuits, RoHS compliant materials |
| Q8205-1 | |
| Q8200-1 | |
| Q8195-1 | |
| Q8190-1 | Computer interconnect, instrumentation, audio, broadcast, RoHS compliant materials |
| Q8185-1 | |
| Q8180-1 | RS-232 computer interconnect, instrumentation, audio, broadcast, Class 2 circuits, RoHS compliant materials |
| Q8175-1 | |
| Q8170-1 | |
| Q8165-1 | Instrumentation, audio, control cable |
| Q8138-1 | RS-232 computer interconnect, audio, and instrumentation cable, RoHS compliant materials |
| Q8110-1 | RoHS compliant materials |
| Q7565-1 | Communication, data and control cable, RoHS compliant materials |
| Q7560-1 | |
| Q7555-1 | |
| Q7545-1 | |
| Q7535-1 | |
| Q7525-1 | |
| Q7465-1 | |
| Q7395-1 | Instrumentation, audio, control cable |
| Q7325-1 | Instrumentation, audio, and broadcast cable, RoHS compliant materials |
| Q7320-1 | |
| Q7315-1 | Instrumentation, audio, control cable |
| Q7175-1 | RS-232 computer interconnect, control and audio cable, RoHS compliant materials |
| Q7170-1 | |
| Q7165-1 | |
| Q7160-1 | |
| Q7155-1 | |
| Q7150-1 | Instrumentation, audio, control cable |
| Q7145-1 | |
| Q7140-1 | RS-232 computer interconnect, control and audio cable, RoHS compliant materials |
| Q7135-1 | |
| Q7131-1 | |
| Q7125-1 | Instrumentation, audio, control cable, stepper motor control |



Control and Signal Cable

| Quabbin Control and Signal Cable Application Examples (continued) | |
|--|---|
| Part Number | Common Application |
| <u>Q7121-1</u> | Instrumentation, audio, control cable |
| <u>Q7120-1</u> | RS-232 computer interconnect, control and audio cable, RoHS compliant materials |
| <u>Q7115-1</u> | Instrumentation, audio, control cable |
| <u>Q6151-1</u> | Data and computer interconnect cable, RoHS compliant materials |
| <u>Q6145-1</u> | Instrumentation, audio, broadcast cable, RoHS compliant materials |
| <u>Q6140-1</u> | Instrumentation, audio, broadcast cable |
| <u>Q6130-1</u> | Instrumentation, audio and control cable, RoHS compliant materials |
| <u>Q6100-1</u> | Instrumentation, audio, control cable, stepper motor control |
| <u>Q4560-1</u> | Instrumentation, audio, broadcast cable |
| <u>Q4177-1</u> | Instrumentation, audio, broadcast cable, RoHS compliant materials |
| <u>Q4175-1</u> | |
| <u>Q4170-1</u> | Instrumentation, audio, broadcast cable |
| <u>Q4165-1</u> | Instrumentation, audio, broadcast cable |
| <u>Q4140-1</u> | Instrumentation, audio and control cable, RoHS compliant materials |
| <u>Q4135-1</u> | |
| <u>Q4130-1</u> | |
| <u>Q4125-1</u> | |
| <u>Q4120-1</u> | |
| <u>Q4110-1</u> | |
| <u>Q4105-1</u> | |
| <u>Q4100-1</u> | |
| <u>Q3130-1</u> | Instrumentation, audio and control cable, RoHS compliant materials |
| <u>Q3100-1</u> | Instrumentation, audio, control cable, stepper motor control |
| <u>Q0225-1</u> | Process system interconnect, power limited tray cable, instrumentation tray cable, class 3 circuits, RoHS compliant materials |
| <u>Q0220-1</u> | Process system interconnect, power limited tray cable, instrumentation tray cable, class 3 circuits |
| <u>Q0200-1</u> | Process system interconnect, power limited tray cable, instrumentation tray cable, class 3 circuits, RoHS compliant materials |
| <u>Q0195-1</u> | |
| <u>Q0190-1</u> | |
| <u>Q0170-1</u> | |
| <u>Q0165-1</u> | Process system interconnect, power limited tray cable, instrumentation tray cable, class 3 circuits |
| <u>Q0160-1</u> | Process system interconnect, power limited tray cable, instrumentation tray cable, class 3 circuits, RoHS compliant materials |
| <u>Q0140-1</u> | Process system interconnect, power limited tray cable, instrumentation tray cable, class 3 circuits |

Control and Signal Cable

| Control & Signal Cable Cross-Reference | | | | | | | |
|--|--------|---------|--------|----------|----------------|---|---|
| ADC | Belden | Quabbin | Carol | Alpha | Lake | Description | Colors |
| <u>Q8508-1</u> | --- | 8508 | --- | --- | --- | 24AWG, 4 twisted pairs, shielded, PVC, chrome gray, | bk-wh/wh-bk/gn-wh/rd-wh |
| <u>Q8215-1</u> | 9543 | 8215 | --- | 6309 | C2425CST-45BLD | 24AWG, 25-conductor, shielded, PVC, chrome gray | bk/wh/rd/gn/or/bu/wh-bk/rd-bk/gn-bk/or-bk/ bu-bk/bk-wh/rd-wh/gn-wh/bu-wh/bk-rd/wh-rd/ or-wh/bu-rd/rd-gn/bk-wh-rd/wh-bk-rd/ rd-bk-wh/gn-bk-wh |
| <u>Q8205-1</u> | 9541 | 8205 | --- | 6307 | C2415CST-45 | 24AWG, 15-conductor, shielded, PVC, chrome gray | bk/wh/rd/gn/or/bu/wh-bk/rd-bk/gn-bk/or-bk/ bu-bk/bk-wh/rd-wh/gn-wh/bu-wh |
| <u>Q8200-1</u> | 9540 | 8200 | --- | --- | C2410CST-45 | 24AWG, 10-conductor, shielded, PVC, chrome gray | bk/wh/rd/gn/br/bu/or/yl/vi/gr |
| <u>Q8195-1</u> | 9539 | 8195 | --- | --- | C2410CST-45 | 24AWG, 9-conductor, shielded, PVC, chrome gray | bk/wh/rd/gn/br/bu/or/yl/vi |
| <u>Q8190-1</u> | 9538 | 8190 | --- | --- | C2410CST-45 | 24AWG, 8-conductor, shielded, PVC, chrome gray | bk/wh/rd/gn/br/bu/or/yl |
| <u>Q8185-1</u> | 9537 | 8185 | --- | --- | C247CST-45 | 24AWG, 7-conductor, shielded, PVC, chrome gray | bk/wh/rd/gn/br/bu/or |
| <u>Q8165-1</u> | 9533 | 8165 | C0741A | 6300/3 | C243CST-45 | 24AWG, 3-conductor, shielded, PVC, chrome gray | bk/rd/wh |
| <u>Q8170-1</u> | 9534 | 8170 | C0742A | 6300/4 | C244CST-BLD | 24AWG, 4-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn |
| <u>Q8175-1</u> | 9535 | 8175 | C0753A | 6305 | C245CST-45 | 24AWG, 5-conductor, shielded, PVC, chrome gray, | bk/rd/wh/gn/bn |
| <u>Q8180-1</u> | 9536 | 8180 | C0743A | 6306 | B246CST | 24AWG, 6-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn/bn/bu |
| <u>Q8138-1</u> | 9508 | 8138 | --- | 5478/C | B248PRCST-45 | 24AWG, 8 twisted pairs, shielded, PVC, chrome gray | bk.rd/bk.wh/bk.gn/bk.bu/bk.yl/bk.br/bk.or/rd.wh |
| <u>Q8110-1</u> | 9502 | 8110 | --- | 5472/C | B242PRCS | 24AWG, 2 twisted pairs, shielded, PVC, chrome gray | bk.rd/bk.wh |
| <u>Q7115-1</u> | 8442 | 7115 | C6348A | 1172C | B222CT | 22AWG, 2-conductor, unshielded, PVC, chrome gray | bk/rd |
| <u>Q7120-1</u> | --- | 7120 | --- | 1173C | --- | 22AWG, 3-conductor, unshielded, PVC, chrome gray | bk/rd/wh |
| <u>Q7121-1</u> | 9443 | 7121 | C4062A | 1173C | C223CT | 22AWG, 3-conductor, unshielded, PVC, chrome gray | bk/rd/gn |
| <u>Q7125-1</u> | 8444 | 7125 | C4063A | 1174C | B224CT | 22AWG, 4-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn |
| <u>Q7131-1</u> | 8445 | 7131 | C4064 | 1175C | 225CT | 22AWG, 5-conductor, unshielded, PVC, chrome gray | bk/wh/rd/gn/br |
| <u>Q7135-1</u> | --- | 7135 | --- | 1176C | --- | 22AWG, 6-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/bu/or |
| <u>Q7140-1</u> | 9430 | 7140 | C4088 | 1177C | --- | 22AWG, 7-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/or/bu/br |
| <u>Q7145-1</u> | 9421 | 7145 | C4065 | 1178C | B228CT-45 | 22AWG, 8-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/bn/bu/or/yl |
| <u>Q7150-1</u> | 9423 | 7150 | C4070 | 1179C | --- | 22AWG, 9-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/or/bu/br/yl/vi |
| <u>Q7155-1</u> | 8456 | 7155 | C4071 | 1180C | --- | 22AWG, 10-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/or/bu/br/yl/vi/gr |
| <u>Q7160-1</u> | 8457 | 7160 | C4607 | 1181C | C2212CT-2464 | 22AWG, 12-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/bn/bu/or/yl/vi/gr/pk/tn |
| <u>Q7165-1</u> | --- | 7165R | --- | 1181/15C | --- | 22AWG, 15-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/or/bu/br/yl/vi/gr/pk/tn/ rd-gn/rd-yl/rd-bk |
| <u>Q7170-1</u> | --- | 7170 | --- | 1181/20C | --- | 22AWG, 20-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/or/bu/br/yl/vi/gr/pk/tn/rd-gn/ rd-yl/rd-bk/wh-bk/wh-rd/wh-gn/wh-yl/wh-bl |
| <u>Q7175-1</u> | --- | 7175 | --- | 1181/25C | --- | 22AWG, 25-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/or/bu/br/yl/vi/gr/pk/tn/rd-gn/ rd-yl/rd-bk/wh-bk/wh-rd/wh-gn/wh-yl/wh-bl/ wh-br/wh-or/wh-gr/wh-vi/wh-bk-rd |

Control and Signal Cable

| Control & Signal Cable Cross-Reference | | | | | | | |
|--|--------|---------|--------|----------|------------------|---|---|
| ADC | Belden | Quabbin | Carol | Alpha | Lake | Description | Colors |
| Q7315-1 | 8451 | 7315 | C2516A | 2461C | 222CSTPP | 22AWG, 2-conductor, shielded, PVC, chrome gray | bk/rd |
| Q7320-1 | 8761 | 7320 | C2514 | 2401/C | C222CSTP-45 | 22AWG, 2-conductor, shielded, PVC, chrome gray | cl/bk |
| Q7325-1 | 8771 | 7325 | C2526 | 1294C | 223CSP | 22AWG, 3-conductor, shielded, PVC, chrome gray | bk/rd/cl |
| Q7395-1 | 8723 | 7395 | C1352 | 2466C | B222PRT | 22AWG, 2 twisted pairs, shielded, PVC, chrome gray | bk/rd/wh/gn |
| Q7465-1 | 8724 | 7465 | C1340 | 2464/C | B222PROT | 22AWG, 2 twisted pair, shielded, PVC, chrome gray | bk-rd/wh-gn |
| Q7565-1 | --- | 7565 | --- | 1299/15C | --- | 22AWG, 15-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn/or/bu/br/yl/vi/gr/pk/tn/ rd-gn/rd-yl/rd-bk |
| Q7560-1 | --- | 7560 | --- | 1299/12C | --- | 22AWG, 12-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn/or/bu/br/yl/vi/gr/pk/tn |
| Q7555-1 | --- | 7555 | --- | 1299/10C | --- | 22AWG, 10-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn/or/bu/br/yl/vi/gr |
| Q7545-1 | --- | 7545 | --- | 1298C | --- | 22AWG, 8-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn/or/bu/br/yl |
| Q7535-1 | --- | 7535 | C0763 | 1296C | --- | 22AWG, 6-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn/bu/or |
| Q7525-1 | --- | 7525 | C0762 | 1294C | --- | 22AWG, 4-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn |
| Q6100-1 | 9444 | 6100 | C6353A | 1317C | C204Ct | 20AWG, 4-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn |
| Q6130-1 | 8205 | 6130 | C6351 | 1895C | B202CT | 20AWG, 1 twisted pair, unshielded, PVC, chrome gray | bk/rd |
| Q6140-1 | 8762 | 6140 | C2524A | 2411C | 202CSP | 20AWG, 2-conductor, shielded, PVC, chrome gray | bk/cl |
| Q6145-1 | 8772 | 6145 | C2528 | 2413C | 203CSP | 20AWG, 3-conductor, shielded, PVC, chrome gray | bk/rd/cl |
| Q6151-1 | --- | 6151 | --- | --- | --- | 20AWG, 2 twisted pair, shielded, PVC, chrome gray | bk/rd x gn/wh |
| Q4560-1 | 9740 | 4560 | C8116 | 1897C | B182CT16 | 18AWG, 2-conductor, unshielded, PVC, chrome gray | bk/rd |
| Q4100-1 | 8489 | 4100 | C2404A | 1858/4C | C184T(16)-2598 | 18AWG, 4-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn |
| Q4105-1 | 8465 | 4105 | C2420 | 1898/5C | B185CT(19)-45 | 18AWG, 5-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/bn |
| Q4110-1 | 8489 | 4110 | C2404 | 1898/4C | B184CT(19)-45 | 18AWG, 7-conductor, unshielded, PVC, chrome gray | bk/wh/rd/gn/bn/bu/or |
| Q4120-1 | 8466 | 4120 | C2412 | 1898/12C | B1812CT(19)-45 | 18AWG, 12-conductor, unshielded, PVC, chrome gray | bk/wh/rd/gn/bu/wh-bk/ rd-bk/gn-bk/or-bk/bu-bk/bk-wh |
| Q4125-1 | 8468 | 4125 | C2423 | 1898/15C | B1815CT(19) | 18AWG, 15-conductor, unshielded, PVC, chrome gray | bk/wh/rd/gn/or/bu/wh-bk/rd-bk/ gn-bk/or-bk/bu-bk/bk-wh/gn-wh/bu-wh |
| Q4130-1 | 8619 | 4130 | C2424 | 1898/19C | B1819CT19-45 | 18AWG, 19-conductor, unshielded, PVC, chrome gray | bk/wh/rd/gn/or/bn/bu/wh-bk/rd-bk/gn-pk/ or-bk/bu-bk/bk-wh/rd-wh/gn-wh/bu-wh/bk- rd/wh-rd/or-rd/bu-rd |
| Q4135-1 | 9626 | 4135 | C2433 | 1898/25C | C1825CT-45BLD | 18AWG, 25-conductor, unshielded, PVC, chrome gray | bk/wh/rd/gn/or/bu/wh-bk/rd-bk/gn-pk/ or-bk/bu-bk/bk-wh/rd-wh/gn-wh/bu-wh/bk- rd/wh-rd/or-rd/bu-rd/rd-gn/or-gn/ bk-wh-rd/wh-bk-rd/rd-bk-wh/gn-bk-wh |
| Q4140-1 | 8461 | 4140 | C2830 | --- | --- | 18AWG, 2-conductor, unshielded, PVC, chrome gray | bk/wh |
| Q4165-1 | 8760 | 4165 | C2534A | 2421C | C182CSTP(16)-4S | 18AWG, 2-conductor, shielded, PVC, chrome gray | bk/cl |
| Q4170-1 | 8770 | 4170 | C2535A | 2423C | 183CSP | 18AWG, 3-conductor, shielded, PVC, chrome gray | bk/rd/cl |
| Q4175-1 | 9418 | 4175 | C2543 | M13244 | C184CST(19)-45BL | 18AWG, 4-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn |
| Q4177-1 | --- | 4177 | --- | --- | --- | 18AWG, 6-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn/bn/bu |
| Q3100-1 | 8620 | 3100 | C2425A | --- | B164T-20811 | 16AWG, 4-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn |
| Q3130-1 | 8471 | 3130 | C2405 | 1899C | 162CPT19 | 16AWG, 2-conductor, unshielded, PVC, chrome gray | bk/wh |

Control and Signal Cable

| Control & Signal Cable Cross-Reference | | | | | | | |
|--|---------------|----------------|--------------|--------------|----------------|--|---------------|
| <i>ADC</i> | <i>Belden</i> | <i>Quabbin</i> | <i>Carol</i> | <i>Alpha</i> | <i>Lake</i> | <i>Description</i> | <i>Colors</i> |
| <u>Q0225-1</u> | 9365 | 0225 | C0455 | 5640B1801 | T183ST(19)-BLD | 18AWG, 3-conductor, shielded, PVC, chrome gray | bk/rd/wh |
| <u>Q0220-1</u> | 9364 | 0220 | C0453A | M39116 | --- | 20AWG, 3-conductor, shielded, PVC, chrome gray | bk/rd/wh |
| <u>Q0200-1</u> | 9493 | 0200 | C0436 | 5630B1801 | T183T(19)-45 | 18AWG, 3-conductor, unshielded, PVC, chrome gray | bk/rd/wh |
| <u>Q0195-1</u> | 9492 | 0195 | C0434 | 5630B2001 | --- | 20AWG, 3-conductor, unshielded, PVC, chrome gray | bk/rd/wh |
| <u>Q0190-1</u> | --- | 0190 | --- | --- | --- | 22AWG, 3-conductor, unshielded, PVC, chrome gray | bk/rd/wh |
| <u>Q0170-1</u> | 9318 | 170 | C0454 | --- | --- | 18AWG, 2-conductor, shielded, PVC, chrome gray | bk/rd |
| <u>Q0165-1</u> | 9320 | 0165 | --- | M39115 | --- | 20AWG, 2-conductor, shielded, PVC, chrome gray | bk/rd |
| <u>Q0160-1</u> | 9322 | 0160 | C0450 | 5610B2201 | B222CST-45 | 22AWG, 2-conductor, shielded, PVC, chrome gray | bk/rd |
| <u>Q0140-1</u> | 9409 | 140 | C0435 | M39075 | --- | 18AWG, 2-conductor, unshielded, PVC, chrome gray | bk/rd |