
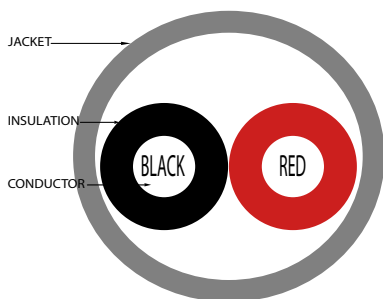


Control and Signal Cable

| Q4560-1 Unshielded 2-Conductor 18AWG Cable Specifications | | | |
|---|------------------------------------|-------------------------------------|---|
| Conductors Gauge & Stranding | 18AWG 16/30 Stranded Tinned Copper | Insulated Conductor Diameter | 0.071 Inch Nominal |
| Voltage Rating | 300V | Twisted Pair Diameter | 0.142 Inch Nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.206 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. | N/A | Jacket Material | Polyvinylchloride (PVC) |
| Dielectric Withstanding, Min. | 1500V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 7.15 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | None | Approvals | NEC (UL) TYPE CM CSA AWM FT4 UL AWM STYLE 2464 |
| Drain | None | | |
| Conductor Insulation Material | Polyvinylchloride (PVC) | | |
| Conductor Identification | Black, Red | Sample Print Legend | QUABBIN 4560 (UL) TYPE CM 18 AWG OR AWM 2464 -- CSA LL51726 AWM I/ II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.013 Inch Nominal | | |
| Bare Conductor Diameter | 0.045 Inch Nominal | | |

| Q4560-1 Unshielded 2-Conductor 18AWG 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 |
|  | | | | | | | | |
| Q4560-1 | 2 | 18 | 16 | 0.219 [5.56 mm] | 2.06 | 30 | 0.0315 | \$0.40 |




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

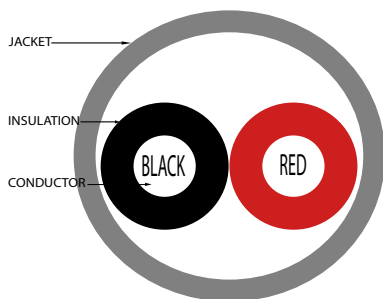


Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

Control and Signal Cable

| Q0140-1 Unshielded 2-Conductor 18AWG Cable Specifications | | | |
|---|---|-------------------------------------|---|
| Conductors Gauge & Stranding | 18AWG 16/30 Stranded Tinned Copper | Insulated Conductor Diameter | 0.077 Inch Nominal |
| Voltage Rating | 300V | Twisted Pair Diameter | 0.154 Inch Nominal |
| Temperature Rating, Max. | 80°C, 90°C & 105°C (176°F, 194°F & 221°F) | Overall Diameter | 0.230 Inch Nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 25 pF/ft | Jacket Thickness | 0.038 Inch Nominal |
| Capacitance, Grounded, Nom. | N/A | Jacket Material | Polyvinylchloride (PVC) |
| Dielectric Withstanding, Min. | 1500V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 7.15 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | None | Approvals | UL AWM STYLE 2464 80C 300V NEC (UL) TYPE PLTC 105C 300V NEC (UL) TYPE ITC 105C 300V CSA FAS 105 FT4 CSA AWM FT4 90C 300V |
| Drain | None | | |
| Conductor Insulation Material | Polyvinylchloride (PVC) | | |
| Conductor Identification | Black, Red | Sample Print Legend | QUABBIN 0140 (UL) TYPE PLTC OR ITC 18 AWG 105C SUN RES OR AWM 2464 -- CSA LL66965 FAS 105 18 AWG 2 CONDUCTOR FT4 OR AWM I/II A/B 90C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.016 Inch Nominal | | |
| Bare Conductor Diameter | 0.045 Inch Nominal | | |

| Q0140-1 Unshielded 2-Conductor 18AWG 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 |
|  | | | | | | | | |
| Q0140-1 | 2 | 18 | 16 | 0.230 [5.84 mm] | 2.30 | 30 | 0.0293 | \$0.28 |




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

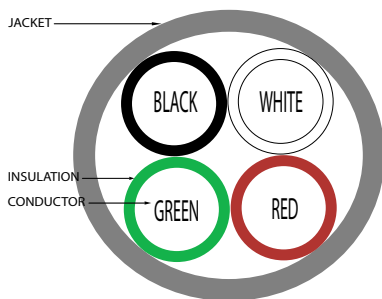


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Control and Signal Cable

| Q4100-1 Unshielded 4-Conductor 18AWG Cable Specifications | | | |
|---|---|-------------------------------------|--|
| Conductors Gauge & Stranding | 18AWG 16/30 Stranded Tinned Copper | Insulated Conductor Diameter | 0.077 Inch Nominal |
| Voltage Rating | 300V (UL AWM 2464) 600V (UL AWM 2586 / CSA AWM I/II A/B) | Twisted Pair Diameter | 0.186 Inch Nominal |
| Temperature Rating, Max. | 80°C, 90°C & 105°C (176°F, 194°F & 221°F) | Overall Diameter | 0.245 Inch Nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 25 pF/ft | Jacket Thickness | 0.032 Inch Nominal |
| Capacitance, Grounded, Nom. | N/A | Jacket Material | Polyvinylchloride (PVC) |
| Dielectric Withstanding, Min. | 1500V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 7.15 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Flame Retardant | FT-4 |
| Shield | None | Approvals | NEC (UL) TYPE CM UL STYLE 2464 UL STYLE 2586 CSA AWM FT4 |
| Drain | None | | |
| Conductor Insulation Material | Polyvinylchloride (PVC) | | |
| Conductor Identification | Black, White, Red, Green | Sample Print Legend | QUABBIN 4100 (UL) TYPE CM 18 AWG OR AWM 2464 80C 300V OR AWM 2586 105C 600V -- CSA LL51726 AWM I/II A/B 105C 600V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.016 Inch Nominal | | |
| Bare Conductor Diameter | 0.045 Inch Nominal | | |

| Q4100-1 Unshielded 4-Conductor 18AWG 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 |
|  | | | | | | | | |
| Q4100-1 | 4 | 18 | 16 | 0.245 [6.23 mm] | 2.45 | 30 | 0.0440 | \$0.66 |




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

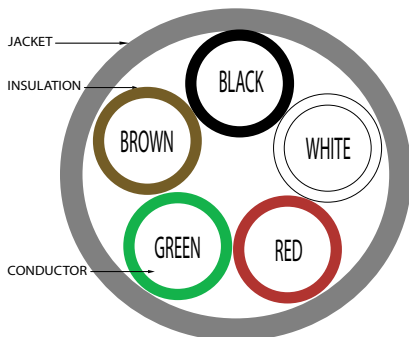


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Control and Signal Cable

| Q4105-1 Unshielded 5-Conductor 18AWG Cable Specifications | | | |
|---|---|-------------------------------------|--|
| Conductors Gauge & Stranding | 18AWG 16/30 Stranded Tinned Copper | Insulated Conductor Diameter | 0.077 Inch Nominal |
| Voltage Rating | 600V | Twisted Pair Diameter | 0.208 Inch Nominal |
| Temperature Rating, Max. | 60°C, 80°C & 105°C (140°F, 176°F & 221°F) | Overall Diameter | 0.272 Inch Nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Bend Radius, Min. | 2.72 Inches | Jacket Thickness | 0.032 Inch Nominal |
| Capacitance, Mutual, Nom. | 25 pF/ft | Jacket Material | Polyvinylchloride (PVC) |
| Capacitance, Grounded, Nom. | N/A | Sunlight Resistant | No |
| Dielectric Withstanding, Min. | 1500V RMS | Oil Resistance | No |
| D.C. Resistance, Max. | 7.15 Ω / 1000ft. | Flame Retardant | FT-4 |
| Conductor Twist / Lay | Left hand / 2-1/2 Inch | Approvals | UL AWM STYLE 2464 UL AWM STYLE 2586 NEC (UL) TYPE CM CSA AWM FT4 |
| Shield | None | | |
| Drain | None | | |
| Conductor Insulation Material | Polyvinylchloride (PVC) | Sample Print Legend | QUABBIN 4105 (UL) TYPE CM 18 AWG OR AWM 2464 80C 300V OR AWM 2586 105C 600V -- CSA LL51726 AWM I/II A/B 105C 600V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Identification | Black, White, Red, Green, Brown | | |
| Conductor Insulation Wall Thickness | 0.016 Inch Nominal | | |
| Bare Conductor Diameter | 0.045 Inch Nominal | | |

| Q4105-1 Unshielded 4-Conductor 18AWG 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 |
|  | | | | | | | | |
| Q4105-1 | 5 | 18 | 16 | 0.272 [6.91 mm] | 2.72 | 30 | 0.0492 | \$0.54 |




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

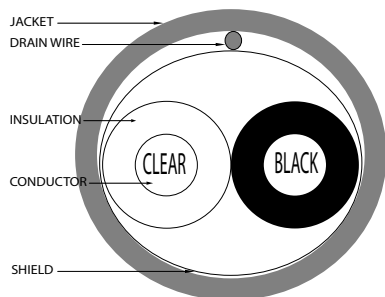


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Control and Signal Cable

| Q4165-1 Shielded 2-Conductor 18AWG Cable Specifications | | | |
|---|--|-------------------------------------|---|
| Conductors Gauge & Stranding | 18AWG 16/30 Stranded Tinned Copper | Insulated Conductor Diameter | 0.088 Inch Nominal |
| Voltage Rating | 300V | Twisted Pair Diameter | 0.174 Inch Nominal |
| Temperature Rating, Max. | 60°C & 75°C (140°F & 167°F) | Overall Diameter | 0.233 Inch Nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 25 pF/ft | Jacket Thickness | 0.028 Inch Nominal |
| Capacitance, Grounded, Nom. | 47 pF/ft | Jacket Material | Polyvinylchloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 7.15 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) AWM STYLE 2092 CSA CMG |
| Drain | 20AWG 7/0.0121 Stranded Tinned Copper Drain Wire | | |
| Conductor Insulation Material | Polyethylene (PE) | | |
| Conductor Identification | Clear, Black | Sample Print Legend | QUABBIN 4165 (UL) TYPE CM 18 AWG 75C SHIELDED OR AWM 2092 -- CSA LL51726 TYPE CMG 60C -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.021 Inch Nominal | | |
| Bare Conductor Diameter | 0.046 Inch Nominal | | |

| Q4165-1 Shielded 2-Conductor 18AWG 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 |
|  | | | | | | | | |
| Q4165-1 | 2 | 18 | 16 | 0.233 [5.92 mm] | 2.33 | 30 | 0.0300 | \$0.51 |




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

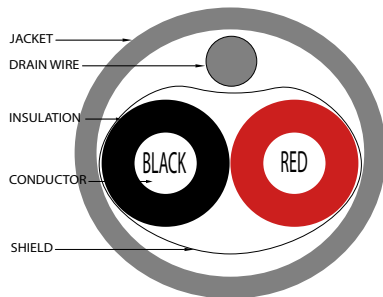


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Control and Signal Cable

| Q0170-1 Shielded 2-Conductor 18AWG Cable Specifications | | | |
|---|--|-------------------------------------|---|
| Conductors Gauge & Stranding | 18AWG 16/30 Stranded Tinned Copper | Insulated Conductor Diameter | 0.077 Inch Nominal |
| Voltage Rating | 300V | Twisted Pair Diameter | 0.154 Inch Nominal |
| Temperature Rating, Max. | 80°C, 90°C & 105°C (176°F, 194°F & 221°F) | Overall Diameter | 0.233 Inch Nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 53 pF/ft | Jacket Thickness | 0.038 Inch Nominal |
| Capacitance, Grounded, Nom. | 95 pF/ft | Jacket Material | Polyvinylchloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 7.15 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 PLTC 105C 300V NEC (UL) TYPE ITC 105C 300V UL AWM STYLE 2464 80C 300V CSA FAS 105 FT4 CSA AWM FT4 90C 300V |
| Drain | 20AWG 10/30 Stranded Tinned Copper Drain Wire | | |
| Conductor Insulation Material | Polyvinylchloride (PVC) | | |
| Conductor Identification | Black, Red | Sample Print Legend | QUABBIN 0170 (UL) TYPE PLTC OR ITC 18 AWG 105C SUN RES OR AWM 2464 -- CSA LL66965 FAS 105 18 AWG 2 CONDUCTOR FT4 OR AWM I/II A/B 90C 300V FT4 -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.016 Inch Nominal | | |
| Bare Conductor Diameter | 0.045 Inch Nominal | | |

| Q0170-1 Shielded 2-Conductor 18AWG 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 |
|  | | | | | | | | |
| Q0170-1 | 2 | 18 | 16 | 0.233 [5.92 mm] | 2.33 | 30 | 0.0312 | \$0.35 |




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

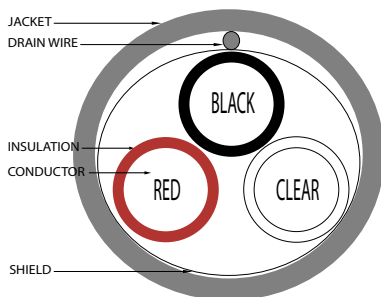


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Control and Signal Cable

| Q4170-1 Shielded 3-Conductor 18AWG Cable Specifications | | | |
|---|--|-------------------------------------|--|
| Conductors Gauge & Stranding | 18AWG 16/30 Stranded Tinned Copper | Insulated Conductor Diameter | 0.081 Inch Nominal |
| Voltage Rating | 300V | Twisted Pair Diameter | 0.168 Inch Nominal |
| Temperature Rating, Max. | 60°C & 75°C (140°F & 167°F) | Overall Diameter | 0.235 Inch Nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 25 pF/ft | Jacket Thickness | 0.032 Inch Nominal |
| Capacitance, Grounded, Nom. | 46 pF/ft | Jacket Material | Polyvinylchloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 7.15 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) AWM STYLE 2093 CSA TYPE CMG |
| Drain | 20AWG 7/0.121 Stranded Tinned Copper Drain Wire | | |
| Conductor Insulation Material | Polyethylene (PE) | | |
| Conductor Identification | Black, Clear, Red | Sample Print Legend | QUABBIN 4170 (UL) TYPE CM 18 AWG 75C SHIELDED OR AWM 2093 -- CSA LL51726 TYPE CMG 60C -- RoHS -- (LOT DESIGNATOR) |
| Conductor Insulation Wall Thickness | 0.018 Inch Nominal | | |
| Bare Conductor Diameter | 0.045 Inch Nominal | | |

| Q4170-1 Shielded 3-Conductor 18AWG 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 |
|  | | | | | | | | |
| Q4170-1 | 3 | 18 | 16 | 0.235 [5.97 mm] | 2.35 | 30 | 0.0391 | \$0.69 |




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

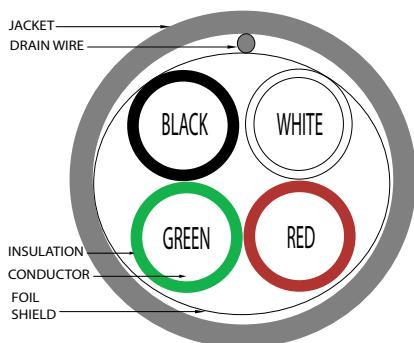


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Control and Signal Cable

| Q4175-1 Shielded 4-Conductor 18AWG Cable Specifications | | | |
|---|--|-------------------------------------|--|
| Conductors Gauge & Stranding | 18AWG 16/30 Stranded Tinned Copper | Insulated Conductor Diameter | 0.065 Inch Nominal |
| Voltage Rating | 300V | Twisted Pair Diameter | 0.157 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. | 58 pF/ft | Jacket Thickness | 0.032 Inch Nominal |
| Capacitance, Grounded, Nom. | 108 pF/ft | Jacket Material | Polyvinylchloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 7.39 Ω / 1000ft. | Oil Resistance | No |
| Conductor Twist / Lay | Left hand / 2-3/4 Inch | Flame Retardant | None |
| Shield | Aluminized Polyester Foil Shield (100% Coverage) | Approvals | NEC (UL) TYPE CM (UL) AWM STYLE 2464 CSA AWM FT4 |
| Drain | 20AWG 7/0.0121 Stranded Tinned Copper Drain Wire | | |
| Conductor Insulation Material | Polyvinylchloride (PVC) | | |
| Conductor Identification | Black, White, Red, Green | Sample Print Legend | QUABBIN 4175 (UL) TYPE CM 18 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 | 0.045 Inch Nominal | | |

| Q4175-1 Shielded 4-Conductor 18AWG 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 |
|  | | | | | | | | |
| Q4175-1 | 4 | 18 | 16 | 0.235 [5.97 mm] | 2.35 | 30 | 0.0405 | \$0.49 |




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

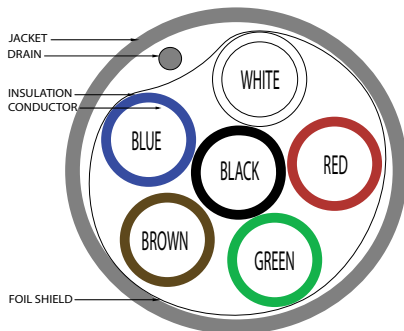


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Control and Signal Cable

| Q4177-1 Shielded 6-Conductor 18AWG Cable Specifications | | | |
|---|--|-------------------------------------|--|
| Conductors Gauge & Stranding | 18AWG 16/30 Stranded Tinned Copper | Insulated Conductor Diameter | 0.065 Inch Nominal |
| Voltage Rating | 300V | Twisted Pair Diameter | 0.195 Inch Nominal |
| Temperature Rating, Max. | 60°C & 80°C (140°F & 176°F) | Overall Diameter | 0.259 Inch Nominal |
| Temperature Rating, Min. | -20°C (-4°F) | Jacket Color | Chrome Gray |
| Capacitance, Mutual, Nom. | 53 pF/ft | Jacket Thickness | 0.032 Inch Nominal |
| Capacitance, Grounded, Nom. | 98 pF/ft | Jacket Material | Polyvinylchloride (PVC) |
| Dielectric Withstanding, Min. | 2000V RMS | Sunlight Resistant | No |
| D.C. Resistance, Max. | 7.15 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) AWM STYLE 2464 CSA AWM FT4 |
| Drain | 20AWG 7/0.0121 Stranded Tinned Copper Drain Wire | | |
| Conductor Insulation Material | Polyvinylchloride (PVC) | | |
| Conductor Identification | Black, White, Red, Green, Brown, White | Sample Print Legend | QUABBIN 4177 (UL) TYPE CM 18 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 | 0.045 Inch Nominal | | |

| Q4177-1 Shielded 6-Conductor 18AWG 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 |
|  | | | | | | | | |
| Q4177-1 | 6 | 18 | 16 | 0.259 [6.58 mm] | 2.59 | 30 | 0.0541 | \$0.71 |



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



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Control and Signal Cable



Control and signal cable from AutomationDirect is available in sizes from 24 AWG to 16 AWG with 2, 3, 4, 5, 6, 8 or 12-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 Grey 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-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 when 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, which 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.

| Cable Application Examples | |
|----------------------------|---|
| Part Number | Common Application |
| Q8165-1 | Instrumentation, audio, control cable |
| Q8170-1 | RS-232 computer interconnect, instrumentation, sound, broadcast, Class 2 circuits, RoHS compliant materials |
| Q8508-1 | Low capacitance, RS-232 computer interconnect, extended distance cable, RoHS compliant materials |
| Q8175-1 | RS-232 computer interconnect, instrumentation, sound, broadcast, Class 2 circuits, RoHS compliant materials |
| Q8180-1 | |
| Q7115-1 | Instrumentation, audio, control cable |
| Q7121-1 | |
| Q7125-1 | Instrumentation, audio, control cable, stepper motor control |
| Q7135-1 | RS-232 computer interconnect, control and sound cable, RoHS compliant materials |
| Q7145-1 | Instrumentation, audio, control cable |
| Q7315-1 | |
| Q7120-1 | RS-232 computer interconnect, control and sound cable, RoHS compliant materials |
| Q7325-1 | Instrumentation, sound, broadcast cable, RoHS compliant materials |
| Q7525-1 | Communication, data and control cable, RoHS compliant materials |
| Q7395-1 | Instrumentation, audio, control cable |
| Q7535-1 | Communication, data and control cable, RoHS compliant materials |
| Q7160-1 | RS-232 computer interconnect, control and sound cable, RoHS compliant materials |
| Q6130-1 | Instrumentation, audio and control cable, RoHS compliant materials |
| Q6100-1 | Instrumentation, audio, control cable, stepper motor control |
| Q6140-1 | Instrumentation, sound, broadcast cable |
| Q0165-1 | Process system interconnect, power limited tray cable, instrumentation tray cable, class 3 circuits |
| Q0220-1 | |
| Q6145-1 | Instrumentation, sound, broadcast cable, RoHS compliant materials |
| Q4560-1 | Instrumentation, sound, broadcast cable |
| Q0140-1 | Process system interconnect, power limited tray cable, instrumentation tray cable, class 3 circuits |
| Q4100-1 | Instrumentation, audio, control cable, stepper motor control |
| Q4105-1 | Instrumentation, audio and control cable, RoHS compliant materials |
| Q4165-1 | Instrumentation, sound, broadcast cable |
| Q0170-1 | Process system interconnect, power limited tray cable, instrumentation tray cable, class 3 circuits, RoHS compliant materials |
| Q4170-1 | Instrumentation, sound, broadcast cable |
| Q4175-1 | Instrumentation, sound, broadcast cable, RoHS compliant materials |
| Q4177-1 | |
| Q3100-1 | Instrumentation, audio, control cable, stepper motor control |



Control and Signal Cable

| Control & Signal Cable Cross-Reference | | | | | | | |
|--|--------|---------|--------|---------|------------------|--|-------------------------------------|
| ADC | Belden | Quabbin | Carol | Alpha | Lake | Description | Colors |
| Q8165-1 | 9533 | 8165 | C0741A | 6300/3 | C243CST-45 | 24 AWG, 3-conductor, shielded, PVC, chrome gray, | bk/rd/wh |
| Q8170-1 | 9534 | 8170 | C0742A | 6300/4 | C244CST-BLD | 24 AWG, 4-conductor, shielded, PVC, chrome gray, | bk/rd/wh/gn |
| Q8508-1 | --- | 8508 | --- | --- | --- | 24 AWG, 4 twisted pairs, shielded, PVC, chrome gray, | bk-wh/wh-bk/gn-wh/rd-wh |
| Q8175-1 | 9535 | 8175 | C0753A | 6305 | C245CST-45 | 24 AWG, 5-conductor, shielded, PVC, chrome gray, | bk/rd/wh/gn/bn |
| Q8180-1 | 9536 | 8180 | C0743A | 6306 | B246CST | 24 AWG, 6-conductor, shielded, PVC, chrome gray, | bk/rd/wh/gn/bn/bu |
| Q7115-1 | 8442 | 7115 | C6348A | 1172C | B222CT | 22AWG, 2-conductor, unshielded, PVC, chrome gray | bk/rd |
| Q7121-1 | 9443 | 7121 | C4062A | 1173C | C223CT | 22AWG, 3-conductor, unshielded, PVC, chrome gray | bk/rd/gn |
| Q7125-1 | 8444 | 7125 | C4063A | 1174C | ---- | 22AWG, 4-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn |
| Q7135-1 | --- | 7135 | | 1176C | --- | 22AWG, 6-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/bu/or |
| Q7145-1 | 9421 | 7145 | C4065 | 1178C | B228CT-45 | 22AWG, 8-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn/bn/bu/or/yl |
| Q7315-1 | 8451 | 7315 | C2516A | 2461C | 222CSTPP | 22AWG, 2-conductor, shielded, PVC, chrome gray | bk/rd |
| Q7120-1 | --- | 7120 | --- | --- | --- | 22AWG, 3-conductor, unshielded, PVC, chrome gray | bk/rd/wh |
| Q7325-1 | 8771 | 7325 | C2526 | 1294C | 223CSP | 22AWG, 3-conductor, shielded, PVC, chrome gray | bk/rd/cl |
| Q7525-1 | --- | 7525 | C0762 | 1294C | --- | 22AWG, 4-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn |
| Q7395-1 | 8723 | 7395 | C1352 | 2466C | B222PRT | 22AWG, 2 twisted pairs, shielded, PVC, chrome gray | bk/rd/wh/gn |
| Q7535-1 | --- | 7535 | C0763 | 1296C | | 22AWG, 6-conductor, shielded, PVC, chrome gray | bk/rd/wh/gn/bu/or |
| Q7160-1 | 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 |
| Q6130-1 | 8205 | 6130 | C6351 | 1895C | B202CT | 20 AWG, 1 twisted pair, unshielded, PVC, chrome gray | bk/rd |
| Q6100-1 | 9444 | 6100 | C6353A | 1317C | ---- | 20AWG, 4-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn |
| Q6140-1 | 8762 | 6140 | C2524A | 2411C | 202CSP | 20AWG, 2-conductor, shielded, PVC, chrome gray | bk/cl |
| Q0165-1 | 9320 | 0165 | --- | M39115 | --- | 20AWG, 2-conductor, shielded, PVC, chrome gray | bk/rd |
| Q0220-1 | 9364 | 0220 | C0453A | M39116 | ---- | 20AWG, 3-conductor, shielded, PVC, chrome gray | bk/rd/wh |
| Q6145-1 | 8772 | 6145 | C2528 | 2413C | 203CSP | 20AWG, 3-conductor, shielded, PVC, chrome gray | bk/rd/cl |
| Q4560-1 | 9740 | 4560 | C8116 | 1897C | B182CT16 | 18AWG, 2-conductor, unshielded, PVC, chrome gray | bk/rd |
| Q0140-1 | 9409 | 140 | C0435 | --- | --- | 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 |
| Q4165-1 | 8760 | 4165 | C2534A | 2421C | C182CSTP(16)-4S | 18AWG, 2-conductor, shielded, PVC, chrome gray | bk/cl |
| Q0170-1 | 9318 | 170 | C0454 | --- | --- | 18AWG, 2-conductor, shielded, PVC, chrome gray | bk/rd |
| 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 | ---- | ---- | 16AWG, 4-conductor, unshielded, PVC, chrome gray | bk/rd/wh/gn |



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 for a short introduction on our cut to length cable