
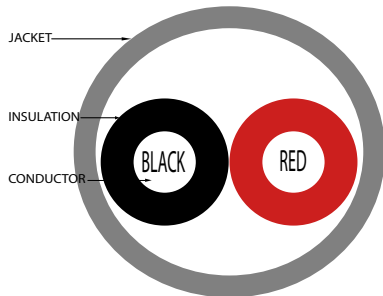


Control and Signal Cable

Q7115-1 Unshielded 2-Conductor 22AWG Cable Specifications			
Conductors Gauge & Stranding	22AWG 7/30 Stranded Tinned Copper	Insulated Conductor Diameter	0.050 Inch Nominal
Voltage Rating	300V	Twisted Pair Diameter	0.100 Inch Nominal
Temperature Rating, Max.	60°C & 80°C (140°F & 176°F)	Overall Diameter	0.164 Inch Nominal ±0.005 Inch
Temperature Rating, Min.	-20°C (-4°F)	Jacket Color	Chrome Gray
Capacitance, Mutual, Nom.	26 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.	16.7 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 AWM STYLE 2464 CSA AWM FT4
Drain	None		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Red	Sample Print Legend	QUABBIN 7115 (UL) TYPE CM 22 AWG OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V -- RoHS -- (LOT DESIGNATOR)
Conductor Insulation Wall Thickness	0.010 Inch Nominal		
Bare Conductor Diameter	0.030 Inch Nominal		

Q7115-1 Unshielded 2-Conductor 22AWG Cable Specifications							
Part Number	Number of Conductors	AWG	Strand	Maximum O.D. (Inches ±10%)	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
							
Q7115-1	2	22	7	0.164 [4.17 mm]	30	0.0146	\$0.20



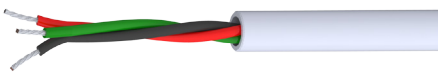
* See web store www.AutomationDirect.com for maximum cut lengths

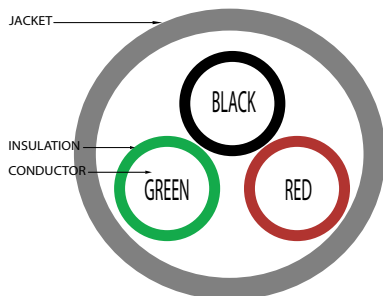


Please Note: Our prices on Control and Sensor Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

Control and Signal Cable

Q7121-1 Unshielded 3-Conductor 22AWG Cable Specifications			
Conductors Gauge & Stranding	22AWG 7/30 Stranded Tinned Copper	Insulated Conductor Diameter	0.050 Inch Nominal
Voltage Rating	300V	Twisted Pair Diameter	0.108 Inch Nominal
Temperature Rating, Max.	60°C & 80°C (140°F & 176°F)	Overall Diameter	0.172 Inch Nominal
Temperature Rating, Min.	-20°C (-4°F)	Jacket Color	Chrome Gray
Capacitance, Mutual, Nom.	26 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.	16.7 Ω / 1000ft.	Oil Resistance	No
Conductor Twist / Lay	Left hand / 2-1/2 Inch	Flame Retardant	FT-4
Shield	None	Approvals	(UL) NEC TYPE CM CSA AWM FT4 UL STYLE 2464
Drain	None		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Red, Green	Sample Print Legend	QUABBIN 7121R (UL) TYPE CM 22 AWG 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	0.030 Inch Nominal		

Q7121-1 Unshielded 3-Conductor 22AWG Cable Specifications							
Part Number	Number of Conductors	AWG	Strand	Maximum O.D. (Inches ±10%)	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
							
Q7121-1	3	22	7	0.172 [4.37 mm]	30	0.0179	\$0.29




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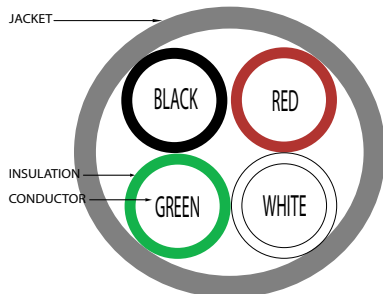


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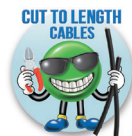
Control and Signal Cable

Q7125-1 Unshielded 4-Conductor 22AWG Cable Specifications			
Conductors Gauge & Stranding	22AWG 7/30 Stranded Tinned Copper	Insulated Conductor Diameter	0.050 Inch Nominal
Voltage Rating	300V	Twisted Pair Diameter	0.121 Inch Nominal
Temperature Rating, Max.	60°C & 80°C (140°F & 176°F)	Overall Diameter	0.185 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.	16.7 Ω / 1000ft.	Oil Resistance	No
Conductor Twist / Lay	Left hand / 2 Inch	Flame Retardant	FT-4
Shield	None	Approvals	(UL) NEC TYPE CM CSA AWM FT4 UL STYLE 2464
Drain	None		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Red, White, Green	Sample Print Legend	QUABBIN 7125 (UL) TYPE CM 22 AWG OR AWM 2464 I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR)
Conductor Insulation Wall Thickness	0.010 Inch Nominal		
Bare Conductor Diameter	0.030 Inch Nominal		

Q7125-1 Shielded 4-Conductor 22AWG Cable Specifications							
Part Number	Number of Conductors	AWG	Strand	Maximum O.D. (Inches ±10%)	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
							
Q7125-1	4	22	10	0.185 [4.70 mm]	30	0.0224	\$0.36



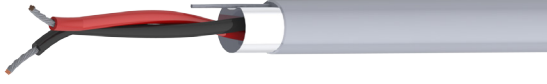
* See web store www.AutomationDirect.com for maximum cut lengths

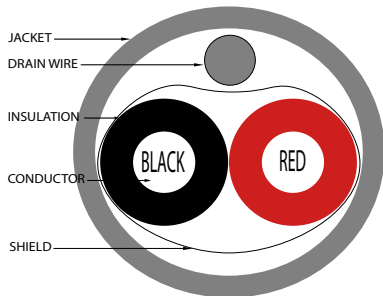


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Control and Signal Cable

Q7315-1 Shielded 2-Conductor 22AWG Cable Specifications			
Conductors Gauge & Stranding	22AWG 7/30 Stranded Tinned Copper	Insulated Conductor Diameter	0.048 Inch Nominal ±0.002 Inch
Voltage Rating	300V	Twisted Pair Diameter	0.096 Inch Nominal
Temperature Rating, Max.	60°C & 80°C (140°F & 176°F)	Overall Diameter	0.135 Inch Nominal ±0.005 Inch
Temperature Rating, Min.	-20°C (-4°F)	Jacket Color	Chrome Gray
Capacitance, Mutual, Nom.	32 pF/ft	Jacket Thickness	0.018 Inch Nominal
Capacitance, Grounded, Nom.	56 pF/ft	Jacket Material	Polyvinylchloride (PVC)
Dielectric Withstanding, Min.	1500V RMS	Sunlight Resistant	No
D.C. Resistance, Max.	16.4 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 20093 C(UL) TYPE CM
Drain	22AWG 7-30 Stranded Tinned Copper Drain Wire		
Conductor Insulation Material	Polyethylene (PE)	Sample Print Legend	QUABBIN 7315R TYPE CM (UL) C(UL) 22 AWG SHIELDED OR AWM 20093 -- RoHS -- (LOT DESIGNATOR)
Conductor Identification	Black, Red		
Conductor Insulation Wall Thickness	0.009 Inch Nominal		
Bare Conductor Diameter	0.030 Inch Nominal		

Q7315-1 Shielded 2-Conductor 22AWG Cable Specifications							
Part Number	Number of Conductors	AWG	Strand	Maximum O.D. (Inches ±10%)	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
							
Q7315-1	2	22	7	0.135 [3.43 mm]	30	0.0124	\$0.26



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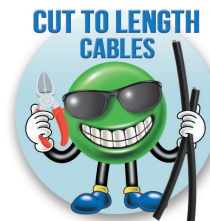
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Control and Signal Cable



The Control and Signal Cable from AutomationDirect is available in sizes from 22AWG to 16AWG with 2, 3 & 4-conductor with both unshielded and shielded conductors. Individual conductors are stranded tinned copper with color coded insulation for easy identification with the 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 application. The 4-conductor unshielded versions are designed to work directly with our SureStep® STP-DRV drives for 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
Q0165-1	Process system interconnect, power limited tray cable, instrumentation tray cable, class 3 circuits
Q0220-1	
Q3100-1	Instrumentation, audio, control cable, stepper motor control
Q4100-1	
Q4165-1	Instrumentation, sound, broadcast cable
Q4170-1	
Q4560-1	
Q6100-1	Instrumentation, audio, control cable, stepper motor control
Q6140-1	Instrumentation, sound, broadcast cable
Q7115-1	Instrumentation, audio, control cable
Q7121-1	
Q7125-1	Instrumentation, audio, control cable, stepper motor control
Q7315-1	Instrumentation, audio, control cable



Control & Signal Cable Cross-Reference							
ADC	Belden	Quabbin	Carol	Alpha	Lake	Description	Colors
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
Q3100-1	8620	3100	C2425A	---	---	16AWG, 4-conductor, unshielded, PVC, chrome gray	bk/rd/wh/gn
Q4100-1	8489	4100	C2404A	1858/4C	C184T(16)-2598	18AWG, 4-conductor, unshielded, PVC, chrome gray	bk/rd/wh/gn
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
Q4560-1	9740	4560	C8116	1897C	B182CT16	18AWG, 2-conductor, 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
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
Q7315-1	8451	7315	C2516A	2461C	222CSTPP	22AWG, 2-conductor, shielded, PVC, chrome gray	bk/rd