
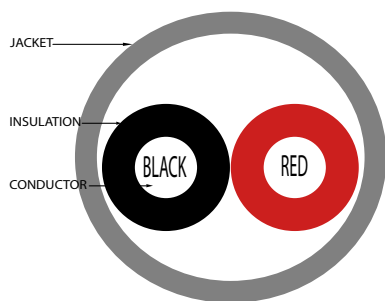


Control and Signal Cable

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
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 Installed Bend Radius (inches)*	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
								
Q7115-1	2	22	7	0.164 [4.17 mm]	1.64	30	0.0146	\$0.21




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

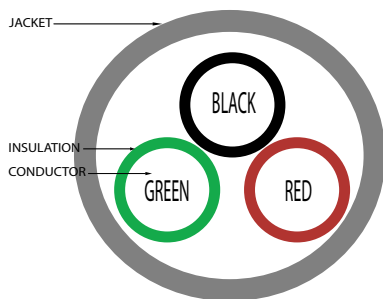


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Control and Signal Cable

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 Installed Bend Radius (inches)*	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
								
Q7121-1	3	22	7	0.172 [4.37 mm]	1.72	30	0.0179	\$0.32




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

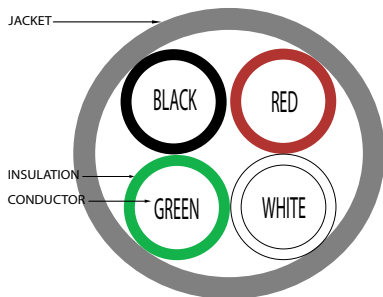


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Control and Signal Cable

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 / 2-1/2 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, White, Green	Sample Print Legend	QUABBIN 7125 (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		

Q7125-1 Unshielded 4-Conductor 22AWG 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
								
Q7125-1	4	22	10	0.185 [4.70 mm]	1.72	30	0.0224	\$0.39




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

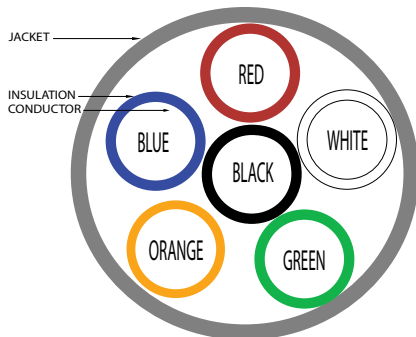


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Control and Signal Cable

Q7135-1 Unshielded 6-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	0.145 Inch Nominal
Temperature Rating, Max.	60°C & 80°C (140°F & 176°F)	Overall Diameter	0.209 Inch Nominal
Temperature Rating, Min.	-20°C (-4°F)	Jacket Color	Chrome Gray
Capacitance, Mutual, Nom.	18 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.	16.4 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, White, Green, Orange, Blue	Sample Print Legend	QUABBIN 7135 (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		

Q7135-1 Unshielded 6-Conductor 22AWG 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
								
Q7135-1	6	22	7	0.209 [5.31 mm]	2.09	30	0.0284	\$0.32




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

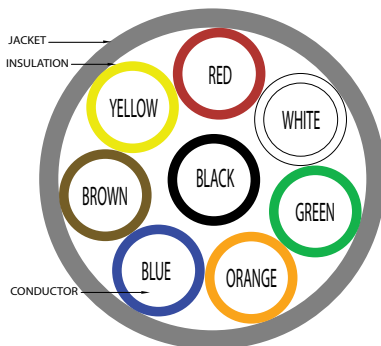


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Control and Signal Cable

Q7145-1 Unshielded 8-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	0.168 Inch Nominal
Temperature Rating, Max.	60°C & 80°C (140°F & 176°F)	Overall Diameter	0.232 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 / 2-1/2 Inch	Flame Retardant	FT-4
Shield	None	Approvals	(UL) NEC TYPE CM CSA AWM FT4 UL STYLE 2464 MEETS VW-1 FLAME TEST
Drain	None		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Red, White, Green, Orange, Blue, Brown, Yellow	Sample Print Legend	QUABBIN 7145 (UL) TYPE CM 22 AWG OR AWM 2464 VW-1 -- 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		

Q7145-1 Unshielded 8-Conductor 22AWG 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
								
Q7145-1	8	22	10	0.232 [5.90 mm]	2.32	30	0.0375	\$0.43



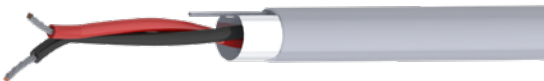
* See web store www.AutomationDirect.com for maximum cut lengths

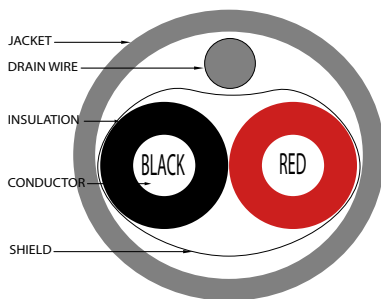


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Control and Signal Cable

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)		
Conductor Identification	Black, Red	Sample Print Legend	QUABBIN 7315R TYPE CM (UL) C(UL) 22 AWG SHIELDED OR AWM 20093 -- RoHS -- (LOT DESIGNATOR)
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 Installed Bend Radius (inches)*	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
								
Q7315-1	2	22	7	0.135 [3.43 mm]	1.35	30	0.0132	\$0.28




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

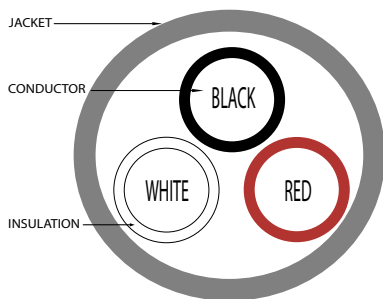


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Control and Signal Cable

Q7120-1 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.	27 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, White	Sample Print Legend	QUABBIN 7120 (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		

Q7120-1 Unshielded 3-Conductor 22AWG 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
								
Q7120-1	3	22	7	0.227 [5.77 mm]	1.72	30	0.0179	\$0.20




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

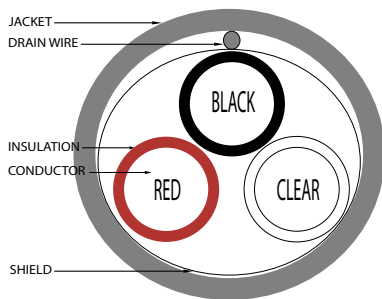


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Control and Signal Cable

Q7325-1 Shielded 3-Conductor 22AWG Cable Specifications			
Conductors Gauge & Stranding	22AWG 7/30 Stranded Tinned Copper	Insulated Conductor Diameter	0.062 Inch Nominal
Voltage Rating	300V	Twisted Pair Diameter	0.133 Inch Nominal
Temperature Rating, Max.	60°C & 75°C (140°F & 167°F)	Overall Diameter	0.186 Inch Nominal
Temperature Rating, Min.	-20°C (-4°F)	Jacket Color	Chrome Gray
Capacitance, Mutual, Nom.	23 pF/ft	Jacket Thickness	0.025 Inch Nominal
Capacitance, Grounded, Nom.	41 pF/ft	Jacket Material	Polyvinylchloride (PVC)
Dielectric Withstanding, Min.	2000V 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	None
Shield	Aluminized Polyester Foil Shield (100% Coverage)	Approvals	UL AWM STYLE 2093 (UL) NEC TYPE CM CSA TYPE CMG
Drain	22AWG 7/30 Stranded Tinned Copper Drain Wire		
Conductor Insulation Material	Polyethylene (PE)		
Conductor Identification	Clear, Red, Black	Sample Print Legend	QUABBIN 7325 (UL) TYPE CM 22 AWG 75C SHIELDED OR AWM 2093 -- CSA LL51726 TYPE CMG 60C -- RoHS -- (LOT DESIGNATOR)
Conductor Insulation Wall Thickness	0.016 Inch Nominal		
Bare Conductor Diameter	0.030 Inch Nominal		

Q7325-1 Shielded 3-Conductor 22AWG 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
								
Q7325-1	3	22	7	0.186 [4.72 mm]	1.86	30	0.0209	\$0.27




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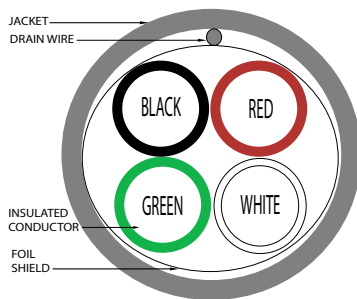


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Control and Signal Cable

Q7525-1 Shielded 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	0.197 Inch Nominal
Temperature Rating, Min.	-20°C (-4°F)	Jacket Color	Chrome Gray
Capacitance, Mutual, Nom.	41 pF/ft	Jacket Thickness	0.032 Inch Nominal
Capacitance, Grounded, Nom.	76 pF/ft	Jacket Material	Polyvinylchloride (PVC)
Dielectric Withstanding, Min.	2000V 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	Aluminized Polyester Foil Shield (100% Coverage)	Approvals	NEC (UL) TYPE CM (UL) AWM STYLE 2464 CSA AWM FT4
Drain	22AWG 7-30 Stranded Tinned Copper Drain Wire		
Conductor Insulation Material	Polyvinylchloride (PVC)	Sample Print Legend	QUABBIN 7525 (UL) TYPE CM 22 AWG SHIELD-ED OR AWM 2464 -- CSA LL51726 AWM I/II A/B 80C 300V FT4 -- RoHS -- (LOT DESIGNATOR)
Conductor Identification	Black, Red, White, Green		
Conductor Insulation Wall Thickness	0.010 Inch Nominal		
Bare Conductor Diameter	0.030 Inch Nominal		

Q7525-1 Shielded 4-Conductor 22AWG 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
								
Q7525-1	4	22	7	0.197 [5.00 mm]	1.97	30	0.0242	\$0.28




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

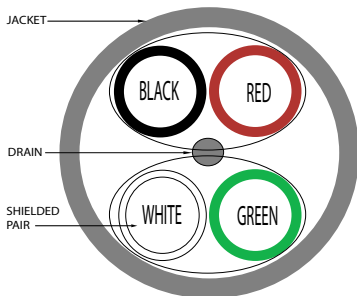


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Control and Signal Cable

Q7395-1 Shielded 2 Twisted Pair 22AWG Cable Specifications			
Conductors Gauge & Stranding	22AWG 7/30 Stranded Tinned Copper	Insulated Conductor Diameter	0.046 Inch Nominal
Voltage Rating	300V	Twisted Pair Diameter	0.115 Inch Nominal
Temperature Rating, Max.	60°C (140°F)	Overall Diameter	0.165 Inch Nominal
Temperature Rating, Min.	-20°C (-4°F)	Jacket Color	Chrome Gray
Capacitance, Mutual, Nom.	35 pF/ft	Jacket Thickness	0.019 Inch Nominal
Capacitance, Grounded, Nom.	62 pF/ft	Jacket Material	Polyvinylchloride (PVC)
Dielectric Withstanding, Min.	1500V RMS	Sunlight Resistant	No
D.C. Resistance, Max.	16.7 Ω / 1000ft.	Oil Resistance	No
Impedance, Characteristic, Nom.	45 Ω	Flame Retardant	None
Attenuation	4.4 dB / 100M @ 1MHz	Approvals	NEC (UL) TYPE CM CEC C(UL) TYPE CM
Pair Conductor Twist / Lay	Color coded singles twisted into pairs, pairs cabled together on a common axis		
Shield	Aluminized Polyester Foil Shield (100% Coverage)	Sample Print Legend	QUABBIN 7395 TYPE CM C(UL)US 22 AWG SHIELDED -- RoHS -- (LOT DESIGNATOR)
Drain	24AWG 7/32 Stranded Tinned Copper Drain Wire		
Conductor Insulation Material	Polypropylene (PP)		
Conductor Identification	Black x Red White x Green		
Conductor Insulation Wall Thickness	0.008 Inch Nominal		
Bare Conductor Diameter	0.030 Inch Nominal		

Q7395-1 Shielded 2 Twisted Pair 22AWG 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
								
Q7395-1	2 Twisted pair	22	7	0.165 [4.19 mm]	1.86	30	0.0208	\$0.26




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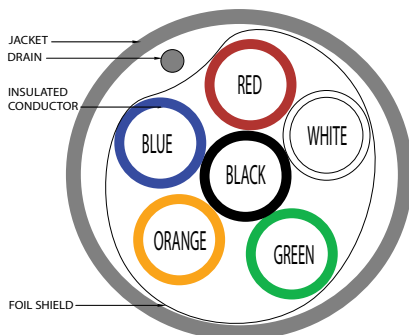


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Control and Signal Cable

Q7535-1 Shielded 6-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	0.143 Inch Nominal
Temperature Rating, Max.	60°C & 80°C (140°F & 176°F)	Overall Diameter	0.212 Inch Nominal
Temperature Rating, Min.	-20°C (-4°F)	Jacket Color	Chrome Gray
Capacitance, Mutual, Nom.	37 pF/ft	Jacket Thickness	0.032 Inch Nominal
Capacitance, Grounded, Nom.	67 pF/ft	Jacket Material	Polyvinylchloride (PVC)
Dielectric Withstanding, Min.	2000V 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	None
Shield	Aluminized Polyester Foil Shield (100% Coverage)	Approvals	NEC (UL) TYPE CM (UL) AWM STYLE 2464 80C 300V CSA AWM FT4
Drain	22AWG 7-30 Stranded Tinned Copper Drain Wire		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Red, White, Green, Orange, Blue	Sample Print Legend	QUABBIN 7535 (UL) TYPE CM 22 AWG SHIELD-ED 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		

Q7535-1 Shielded 6-Conductor 22AWG 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
								
Q7535-1	6	22	7	0.212 [5.38 mm]	2.12	30	0.0329	\$0.37




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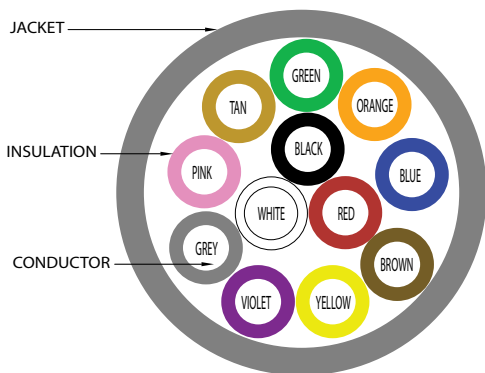


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Control and Signal Cable

Q7160-1 Unshielded 12-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	0.202 Inch Nominal
Temperature Rating, Max.	60°C & 80°C (140°F & 176°F)	Overall Diameter	0.266 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.	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 CSA AWM FT4 UL STYLE 2464 80C 300V
Drain	None		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Red, White, Green, Orange, Blue, Brown, Yellow, Violet, Gray, Pink, Tan	Sample Print Legend	QUABBIN 7160 (UL) TYPE CM 22 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		

Q7160-1 Unshielded 12-Conductor 22AWG 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
								
Q7160-1	12	22	7	0.266 [6.76 mm]	2.66	30	0.0493	\$0.58



* 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



The Control and Signal Cable from AutomationDirect is available in sizes from 24AWG to 16AWG with 2, 3, 4, 5, 6, 8 & 12-conductor. These are available either in unshielded or shielded constructions. 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 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



Click on the above thumbnail or go to
<https://www.automationdirect.com/VID-WD-0016>
 for a short introduction on our cut to length cable