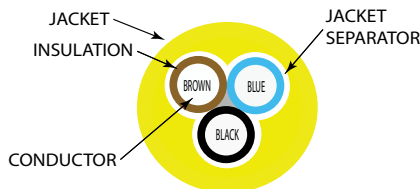
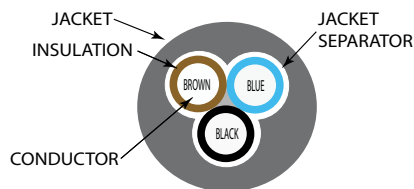


24AWG 3-Conductor Sensor / Actuator Cable (Unshielded)

24AWG 3-Conductor Bulk Sensor / Actuator Cable Specifications (Unshielded)			
Conductors Gauge & Stranding	24AWG 19/36 Stranded bare copper	Insulated Conductor Diameter	0.045 in Nominal
Voltage Rating	300V	Minimum Bend Radius (in.)	10x Diameter
Temperature Rating, Max.	176°F (80°C)	Overall Diameter	0.167 in. Nominal
Temperature Rating, Min.	-4°F (-20°C)	Jacket Color	Gray or Yellow
Cold Bend Test	-40°F (-40°C)	Jacket Thickness	0.032 in. Nominal
Capacitance, Mutual, Nom.	23.13 PF/FT.	Jacket Material	Pressure extruded Polyvinylchloride (PVC)
Impedance	92.62 Ω	Sunlight Resistant	Yes
D.C. Resistance, Max.	23.4 Ω / 1000ft	Oil Resistance	Yes
Conductor Twist / Lay	1.625" Maximum left hand lay	Flame Retardant	FT-1
Filler Material	N/A	Approvals	UR AWM STYLE 2464 80C 300V CSA AWM I/II A/B 80C 300V
Jacket Separator	Tissue tape 25% overlap		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Brown, Blue	Sample Print Legend	AutomationDirect - SAC-24-3U-1xx-1 E505482 AWM 2464 80C 300V -- LL274638 CSA AWM I/II A/B 80C 300V FT1
Conductor Insulation Wall Thickness	0.010 in. Nominal		
Bare Conductor Diameter	0.025 in. Nominal		

24AWG 3-Conductor Bulk Sensor / Actuator Cable Selection							
Part Number	Jacket Color	Number of Conductors	AWG	Strand	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
							
SAC-24-3U-1GY-1	Gray	3	24	19/36	30	0.0150	\$0.38
							
SAC-24-3U-1YL-1	Yellow	3	24	19/36	30	0.0150	\$0.37

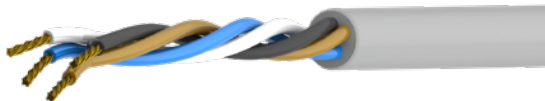
* See web store for maximum cut lengths



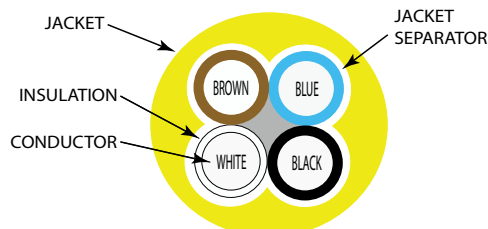
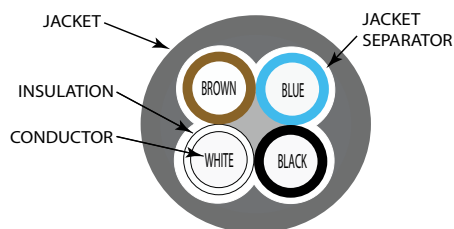
Please Note: Our prices on Bulk Sensor / Actuator Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

24AWG 4-Conductor Sensor / Actuator Cable (Unshielded)

24AWG 4-Conductor Bulk Sensor / Actuator Cable Specifications (Unshielded)			
Conductors Gauge & Stranding	24AWG 19/36 Stranded bare copper	Insulated Conductor Diameter	0.045 in. Nominal
Voltage Rating	300V	Minimum Bend Radius (in.)	10x Diameter
Temperature Rating, Max.	176°F (80°C)	Overall Diameter	0.178 in. Nominal
Temperature Rating, Min.	-4°F (-20°C)	Jacket Color	Gray or Yellow
Cold Bend Test	-40°F (-40°C)	Jacket Thickness	0.032 in. Nominal
Capacitance, Mutual, Nom.	23.13 PF/FT.	Jacket Material	Pressure extruded Polyvinylchloride (PVC)
Impedance	92.62 Ω	Sunlight Resistant	Yes
D.C. Resistance, Max.	23.4 Ω / 1000ft	Oil Resistance	Yes
Conductor Twist / Lay	1.8" Maximum left hand lay	Flame Retardant	FT-1
Filler Material	N/A	Approvals	UR AWM STYLE 2464 80C 300V CSA AWM I/II A/B 80C 300V
Jacket Separator	Tissue tape 25% overlap		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Brown, Blue, White	Sample Print Legend	AutomationDirect – SAC-24-4U-1xx-1 E505482 AWM 2464 80C 300V -- LL274638 CSA AWM I/II A/B 80C 300V FT1
Conductor Insulation Wall Thickness	0.010 in. Nominal		
Bare Conductor Diameter	0.025 in. Nominal		

24AWG 4-Conductor Bulk Sensor / Actuator Cable Selection							
Part Number	Jacket Color	Number of Conductors	AWG	Strand	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
							
SAC-24-4U-1GY-1	Gray	4	24	19/36	30	0.0178	\$0.43
							
SAC-24-4U-1YL-1	Yellow	4	24	19/36	30	0.0178	\$0.43

* See web store for maximum cut lengths



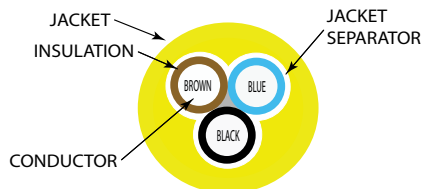
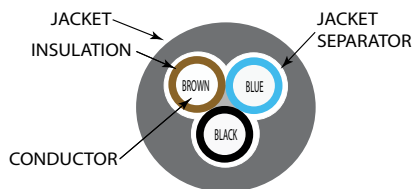
Please Note: Our prices on Bulk Sensor / Actuator Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

22AWG 3-Conductor Sensor / Actuator Cable (Unshielded)

22AWG 3-Conductor Bulk Sensor / Actuator Cable Specifications (Unshielded)			
Conductors Gauge & Stranding	22AWG 19/34 Stranded bare copper	Insulated Conductor Diameter	0.050 in. Nominal
Voltage Rating	300V	Minimum Bend Radius (in.)	10x Diameter
Temperature Rating, Max.	176°F (80°C)	Overall Diameter	0.177 in. Nominal
Temperature Rating, Min.	-4°F (-20°C)	Jacket Color	Gray or Yellow
Cold Bend Test	-40°F (-40°C)	Jacket Thickness	0.032 in. Nominal
Capacitance, Mutual, Nom.	25 PF/FT.	Jacket Material	Pressure extruded Polyvinylchloride (PVC)
Impedance	85.64 Ω	Sunlight Resistant	Yes
D.C. Resistance, Max.	14.6 Ω / 1000ft	Oil Resistance	Yes
Conductor Twist / Lay	1.75" Maximum left hand lay	Flame Retardant	FT-1
Filler Material	N/A	Approvals	UR AWM STYLE 2464 80C 300V CSA AWM I/II A/B 80C 300V
Jacket Separator	Tissue tape 25% overlap		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Brown, Blue	Sample Print Legend	AutomationDirect – SAC-22-3U-1xx-1 E505482 AWM 2464 80C 300V -- LL274638 CSA AWM I/II A/B 80C 300V FT1
Conductor Insulation Wall Thickness	0.010 in. Nominal		
Bare Conductor Diameter	0.030 in. Nominal		

22AWG 3-Conductor Bulk Sensor / Actuator Cable Selection							
Part Number	Jacket Color	Number of Conductors	AWG	Strand	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
							
SAC-22-3U-1GY-1	Gray	3	22	19/34	30	0.0185	\$0.43
							
SAC-22-3U-1YL-1	Yellow	3	22	19/34	30	0.0185	\$0.43

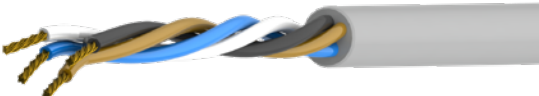
* See web store for maximum cut lengths



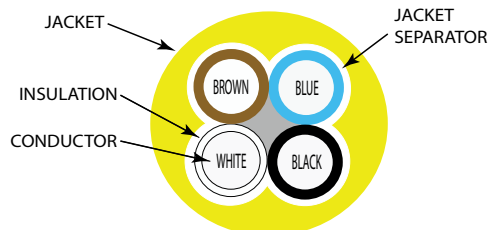
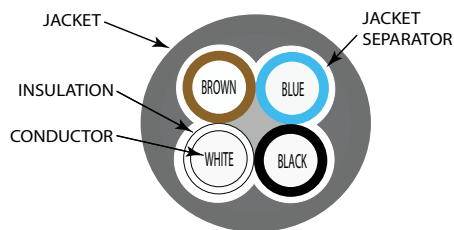
Please Note: Our prices on Bulk Sensor / Actuator Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

22AWG 4-Conductor Sensor / Actuator Cable (Unshielded)

22AWG 4-Conductor Bulk Sensor / Actuator Cable Specifications (Unshielded)			
Conductors Gauge & Stranding	22AWG 19/34 Stranded bare copper	Insulated Conductor Diameter	0.050 in. Nominal
Voltage Rating	300V	Minimum Bend Radius (in.)	10x Diameter
Temperature Rating, Max.	176°F (80°C)	Overall Diameter	0.190 in. Nominal
Temperature Rating, Min.	-4°F (-20°C)	Jacket Color	Gray or Yellow
Cold Bend Test	-40°F (-40°C)	Jacket Thickness	0.032 in. Nominal
Capacitance, Mutual, Nom.	25 PF/FT.	Jacket Material	Pressure extruded Polyvinylchloride (PVC)
Impedance	85.64 Ω	Sunlight Resistant	Yes
D.C. Resistance, Max.	14.6 Ω / 1000ft	Oil Resistance	Yes
Conductor Twist / Lay	2" Maximum left hand lay	Flame Retardant	FT-1
Filler Material	N/A	Approvals	UR AWM STYLE 2464 80C 300V CSA AWM I/II A/B 80C 300V
Jacket Separator	Tissue tape 25% overlap		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Brown, Blue, White	Sample Print Legend	AutomationDirect – SAC-22-4U-1xx-1 E505482 AWM 2464 80C 300V -- LL274638 CSA AWM I/II A/B 80C 300V FT1
Conductor Insulation Wall Thickness	0.010 in. Nominal		
Bare Conductor Diameter	0.030 in. Nominal		

22AWG 4-Conductor Bulk Sensor / Actuator Cable Selection							
Part Number	Jacket Color	Number of Conductors	AWG	Strand	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
							
SAC-22-4U-1GY-1	Gray	4	22	19/34	30	0.0224	\$0.50
							
SAC-22-4U-1YL-1	Yellow	4	22	19/34	30	0.0224	\$0.50

* See web store for maximum cut lengths



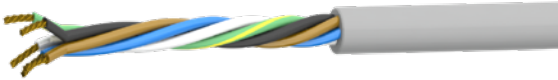
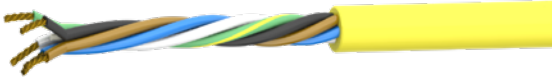
Please Note: Our prices on Bulk Sensor / Actuator Cable are closely tied to the market price for copper. This allows us to offer the best savings possible if conditions are favorable; however, it also means that our prices may increase if market conditions warrant.

22AWG 5-Conductor Sensor / Actuator Cable (Unshielded)

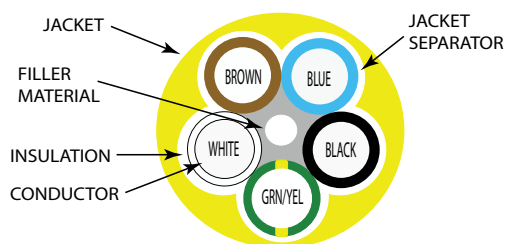
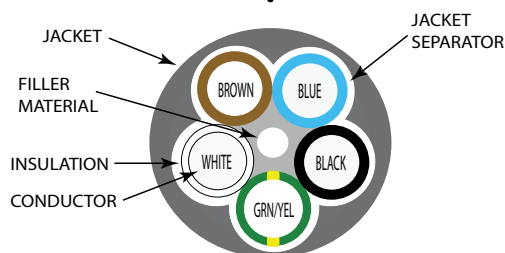
22AWG 5-Conductor Bulk Sensor / Actuator Cable Specifications (Unshielded)

Conductors Gauge & Stranding	22AWG 19/34 Stranded bare copper	Insulated Conductor Diameter	0.050 in. Nominal
Voltage Rating	300V	Minimum Bend Radius (in.)	10x Diameter
Temperature Rating, Max.	176°F (80°C)	Overall Diameter	0.204 in. Nominal
Temperature Rating, Min.	-4°F (-20°C)	Jacket Color	Gray or Yellow
Cold Bend Test	-40°F (-40°C)	Jacket Thickness	0.032 in. Nominal
Capacitance, Mutual, Nom.	25 PF/FT.	Jacket Material	Pressure extruded Polyvinylchloride (PVC)
Impedance	85.64	Sunlight Resistant	Yes
D.C. Resistance, Max.	14.6 Ω / 1000ft	Oil Resistance	Yes
Conductor Twist / Lay	2" Maximum left hand lay	Flame Retardant	FT-1
Filler Material	Polypropylene (PP) cord	Approvals	UR AWM STYLE 2464 80C 300V CSA AWM I/II A/B 80C 300V
Jacket Separator	Tissue tape 25% overlap		
Conductor Insulation Material	Polyvinylchloride (PVC)		
Conductor Identification	Black, Brown, Blue, White, Green/Yellow stripe	Sample Print Legend	AutomationDirect – SAC-22-5U-1xx-1 E505482 AWM 2464 80C 300V -- LL274638 CSA AWM I/II A/B 80C 300V FT1
Conductor Insulation Wall Thickness	0.010 in. Nominal		
Bare Conductor Diameter	0.030 in. Nominal		

22AWG 5-Conductor Bulk Sensor / Actuator Cable Selection

Part Number	Jacket Color	Number of Conductors	AWG	Strand	Minimum Cut Length (ft)*	Approximate Weight (lb/ft)	Price per foot
							
<u>SAC-22-5U-1GY-1</u>	Gray	5	22	19/34	30	0.0265	\$0.60
							
<u>SAC-22-5U-1YL-1</u>	Yellow	5	22	19/34	30	0.0265	\$0.60

* See web store for maximum cut lengths



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Sensor / Actuator Cable (Unshielded)

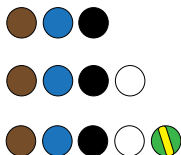


Conductor Colors:

3 Conductor

4 Conductor

5 Conductor



Overview

Flexible multi-conductor sensor/actuator cable from AutomationDirect is available in 24AWG and 22AWG with 3, 4 or 5 unshielded conductors. Individual conductors are bare copper and stranded for flexibility, with color coded PVC insulation for easy identification. The cable's outer jacket is a flexible PVC available in either gray or yellow. Although not suitable for continuous flexing applications, these cables are ideal for both stationary and flexible industrial factory automation applications with limited mechanical stress and free movement without any tensile stress, loads or forced movements.

AutomationDirect flexible multi-conductor sensor/actuator cable carries both UL and CSA approvals and can easily be terminated using field wireable connectors also available from AutomationDirect. Eliminate unnecessary expense and waste by ordering only the length needed in 1 foot increments with a low 30 foot minimum.

Features

- 24AWG and 22AWG, 3, 4 or 5 conductors
- Unshielded
- PVC conductor insulation with color code for easy identification
- PVC outer jacket available in gray or yellow
- Pressure extruded jacket for optimal roundness
- Flexibility for easy installation
- Made in the USA
- UL and CSA approvals
- Order cut to length in 1 foot increments eliminating expense and waste
- Ideal for use with Field Wireable Connectors also available from AutomationDirect



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



Field Wireable Connectors

Insulation Displacement Connectors (IDC)

Features

- IDC (insulation displacement connection) allows quick termination without stripping conductors
- Various cable gauges and diameters accepted
- M8 and M12 connector types available



M12 Field Wireable Screw Connectors

Features

- IP67 rated once properly assembled
- Various cable gauges and diameters accepted
- Plastic housings with good resistance against chemicals and oils



See www.AutomationDirect.com for our full offering of Field Wireable Connectors.