

### Global Plus Connector Cables



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### Global Plus Connector Cables

#### Product Description


Finish your sensor installation with high quality connector cables from Eaton's electrical sector. Our Global Plus line is designed to give you everything you want without paying extra for the features you don't want. It includes a wide variety of single- and double-connector cables. Custom lengths are available upon request from the factory.

#### Standards and Certifications

- UL Recognized (Mini-Style)
- CSA Certified (Mini- and Nano-Styles)
- cUL Recognized (Micro- and Nano-Styles)



#### Safety Note

 **Unless otherwise noted, the products contained in this document are not designed or intended for use in human safety applications.**

For the most current information on this product, visit our web site: [www.eaton.com](http://www.eaton.com)


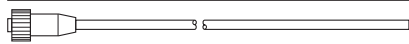

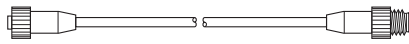
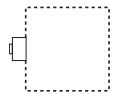
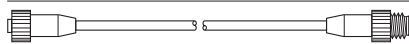
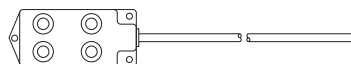
For Customer Service in the U.S. call 1-877-ETN CARE (386-2273), in Canada call 1-800-268-3578.  
For Application Assistance in the U.S. and Canada call 1-800-426-9184.

#### Product Selection Guide

##### What Type of Connector Cable Do You Need?

The majority of the sensors in this Product Guide are available with connectors for quick-disconnect installation.

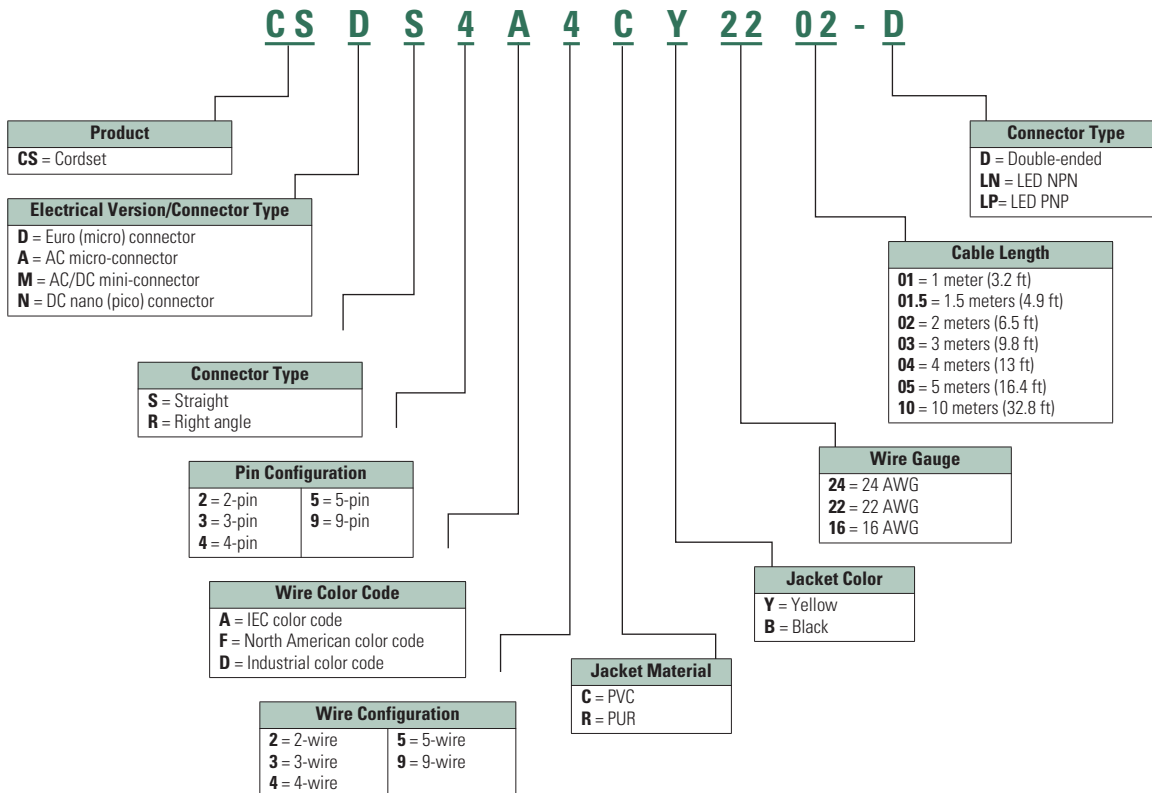
##### Global Plus Connector Cable Selection

Sensor	Connector Cable Type	Style	Interfaces with ...	Style
	<b>Single-Connector Cable</b>		<b>Junction Box or Control Panel</b>	
			Micro (see <b>Page 447</b> )	
			Mini (see <b>Page 448</b> )	
		Nano (see <b>Page 449</b> )		
	<b>Double-Connector Cable</b>		<b>Connectorized Junction Box or Control Panel</b>	
			Micro (see <b>Page 450</b> )	
			Mini (see <b>Page 450</b> )	
	<b>Double-Connector Cable</b>		<b>Multi-Connector Block with Cable</b>	
			Micro (see <b>Page 450</b> )	
			Allows up to eight sensors to be consolidated into one cable for wiring to your control system	Micro (see <b>section 54.2</b> )

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#### Catalog Number Selection

##### Global Plus Connector Cables ①



**Note**

① This is a representative guide to the catalog numbering system. All possible combinations may not be available for ordering. Please verify the number with the following pages or call Application Support at (800) 426-9194 before ordering.

Product Selection

Single Connector Cables

Micro-Style Straight Female



Micro-Style Straight Female

Voltage Style	Number of Pins	Gauge	Length	Pin Configuration/Wire Colors (Face View Female Shown)	PVC Jacket Catalog Number	PUR Jacket Catalog Number
<b>Standard Cables</b>						
AC	3-pin, 3-wire	18 AWG	6.0 ft (2m)		CSAS3F3CY1802	—
			16.4 ft (5m)		CSAS3F3CY1805	—
			32.8 ft (10m)		CSAS3F3CY1810	—
		22 AWG	6.0 ft (2m)	CSAS3F3CY2202	CSAS3F3RY2202	
			16.4 ft (5m)	CSAS3F3CY2205	CSAS3F3RY2205	
			32.8 ft (10m)	CSAS3F3CY2210	CSAS3F3RY2210	
	4-pin, 4-wire	18 AWG	6.0 ft (2m)		CSAS4F4CY1802	—
			16.4 ft (5m)		CSAS4F4CY1805	—
			32.8 ft (10m)		CSAS4F4CY1810	—
		22 AWG	6.0 ft (2m)	CSAS4F4CY2202	CSAS4F4RY2202	
			16.4 ft (5m)	CSAS4F4CY2205	CSAS4F4RY2205	
			32.8 ft (10m)	CSAS4F4CY2210	CSAS4F4RY2210	
22 AWG	6.0 ft (2m)		CSAS4A4CY2202	—		
	16.4 ft (5m)		CSAS4A4CY2205	—		
	32.8 ft (10m)		CSAS4A4CY2210	—		
5-pin, 5-wire	22 AWG	6.0 ft (2m)		CSAS5A5CY2202	—	
		16.4 ft (5m)		CSAS5A5CY2205	—	
		32.8 ft (10m)		CSAS5A5CY2210	—	
DC	4-pin, 3-wire	22 AWG	6.0 ft (2m)		CSDS4A3CY2202	CSDS4A3RY2202
			16.4 ft (5m)		CSDS4A3CY2205	CSDS4A3RY2205
			32.8 ft (10m)		CSDS4A3CY2210	CSDS4A3RY2210
	4-pin, 4-wire	22 AWG	6.0 ft (2m)		CSDS4A4CY2202	CSDS4A4RY2202
			16.4 ft (5m)		CSDS4A4CY2205	CSDS4A4RY2205
			32.8 ft (10m)		CSDS4A4CY2210	CSDS4A4RY2210
			65.6 ft (20m)		CSDS4A4CY2220	—
	5-pin, 5-wire	22 AWG	6.0 ft (2m)		CSDS5A5CY2202	—
			16.4 ft (5m)		CSDS5A5CY2205	—
			32.8 ft (10m)		CSDS5A5CY2210	—
	8-pin, 8-wire	24 AWG	16.4 ft (5m)		CSDS8A8CB2405	—
			32.8 ft (10m)		CSDS8A8CB2410	—

#### Technical Data and Specifications

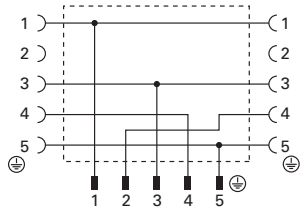
##### Global Plus Connector Cables

Description	Micro-Style Specification	Mini-Style Specification	Nano-Style Specification
Jacket material	PVC/PUR/Irradiated PUR ①	PVC	PVC/PUR ①
Contact material	Gold-plated copper alloy	Gold-plated brass	Gold-plated copper alloy
Coupling nut material	Nickel-plated die-cast zinc	Nickel-plated die-cast zinc	Nickel-plated die-cast zinc
O-ring	Nitrile rubber	None	Nitrile rubber
Cable	PVC/PUR/Irradiated PUR, insulation and jacket, stranded copper conductors	PVC/PUR/Irradiated PUR, insulation and jacket, stranded copper conductors	PVC/PUR/Irradiated PUR, insulation and jacket, stranded copper conductors
Cable strain relief	35 lbs minimum	35 lbs minimum	35 lbs minimum
Voltage rating	320V (24 Vdc for LED plugs) (30 Vdc for 8-pin, versions)	600V	100 Vdc
Current rating	4A	See model selection chart	4A
Contact resistance	5 mohm maximum	5 mohm maximum	5 mohm maximum
Isolation resistance	1000 mohm minimum	1000 mohm minimum	1000 mohm minimum
Protection	IP67	NEMA 6P, IP68	IP67
Temperature range	-13° to 176°F (-25° to 80°C)	-4° to 221°F (-20° to 105°C)	-4° to 221°F (-20° to 105°C)
Cable diameter	See Dimensions on <b>Page 453</b> .	See Dimensions on <b>Page 453</b> .	See Dimensions on <b>Page 453</b> .
Bend radius	Minimum recommended bend radius is 12X cable diameter	Minimum recommended bend radius is 12X cable diameter	Minimum recommended bend radius is 12X cable diameter

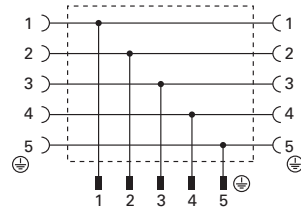
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#### Wiring Diagrams

##### CSDY3



##### CSDY5



#### Note

① Jacket material dependent upon model selection.