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**TURCK**

# M12 Eurofast® Cordsets & Receptacles

[www.mfcp.com](http://www.mfcp.com)

# M12 Eurofast® Actuator and Sensor Cordsets - with Optional Torque Sleeve™

General Properties	
Design specification	Acc. To IEC 61076-2-101
Contacts	Brass, CuSn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Torque Sleeve	Plastic, PA/Nylon, Yellow
Mechanical life	>100
Protection class	When coupled - IP67, IP68, IP69K NEMA: 1, 3, 4, 6P, 12
Tightening torque (range)	0.4...1 Nm
Approvals	UL 2238, RoHS, CE, CSA

## Part Number Key

**Family**  
E = Eurofast (M12)

**Gender**  
K = female  
S = male

**Plug Style**  
R = straight  
W = right angle

**Coupling Nut Configuration**  
T = nickel plated brass, includes Torque Sleeve  
B = nickel plated brass, without Torque Sleeve  
L = stainless steel, includes Torque Sleeve  
V = stainless steel, without Torque Sleeve  
P = acetal plastic, without Torque Sleeve

**Optional Customization**  
(blank) = no customization, black plug body and yellow Torque Sleeve (when included)  
001 = yellow plug body  
.. = consult factory for other options

**Insertion Point of Extension Cable and Second Prefix\***  
\*Female connector listed first, male connector second  
Example: EKRT-ESRT-A4.400-GC2K-1

Customization options are available for different colors, keyway rotations, and pinouts. Contact factory for details.

**Length in Meters**  
nearest 0.1m  
max 4 characters

**Cable Series**  
GC2K = black general purpose PVC jacket with 22 AWG conductors (standard)  
GC2Y = yellow general purpose PVC jacket with 22 AWG conductors  
GC8K = black general purpose PVC jacket with 18 AWG conductors  
GU24 = grey general purpose TPU with 22 AWG conductors (S90)  
GU2K = black general purpose TPU jacket with 22 AWG conductors (S90, S760)  
GU2Y = yellow general purpose TPU jacket with 22 AWG conductors (S90)  
GU8K = black general purpose TPU jacket with 18 AWG conductors (S90)  
WA2Y = yellow aramid over Weldlife TPE jacket with 22 AWG conductors (S3415)  
WE2K = black Weldlife TPE jacket with 22 AWG conductors (S1587, S760)  
WE2Y = yellow Weldlife TPE jacket with 22 AWG conductors (S1587)  
WE8K = black Weldlife TPE jacket with 18 AWG conductors (S1587, S760)  
WE8Y = yellow Weldlife TPE jacket with 18 AWG conductors (S3060)  
DC24 = grey PVC cable with foil shield, drain wire and 22 AWG conductors (S653)  
FE24 = grey Flexlife 20 TPE jacket with 22 AWG conductors (S101)  
FE8Y = yellow Flexlife 20 TPE jacket with 18 AWG conductors (S101)  
HUA6 = orange halogen free TPU with 0.34mm<sup>2</sup> conductors (TXO3700)  
HUA6 = orange halogen free TPU with 0.34mm<sup>2</sup> conductor (TXL)

**Pinout**  
00 = standard DC  
... = consult factory for other options

**Number of Conductors**

**Keyway Coding and Pole Count**  
A4 = standard / A-code with 4 poles (up to 4 wires when center pin is not used)  
A5 = standard / A-code with 5 poles (up to 5 wires when center pin is used)  
B5 = reversed / B-code with 5 poles

# M12 Eurofast Actuator and Sensor Cordsets - A-Coded with Optional Torque Sleeve

## General purpose 22 AWG black PVC cable



Cable Properties	
Cable Approvals	UL: TC-ER, 150V, PLTC 300V, AWM 600V, OIL RES I & II, -40 °C COLD BEND, CSA: CMX OUTDOOR 300V, CMG 600V, AWM I/II A/B, FT4
Cable Temperature Rating	-40 °C to +105 °C
Cable Features	Sunlight resistant (UL 1581, Sect 1200) Flexlife™ & C-Track approved¹

Product Details	Gender	Orientation	Part Number	Wiring	Contact Assignment
3 x 22 AWG <a href="#">Cable #RF52083</a> 4 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.300-GC2K-*</a>	1. BN 2. N/C 3. BU 4. BK	
	Female	Right Angled	<a href="#">EKWT-A4.300-GC2K-*</a>		
	Male	Straight	<a href="#">ESRT-A4.300-GC2K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.300-GC2K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.300-GC2K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.300-GC2K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.300-GC2K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.300-GC2K-*</a>		
4 x 22 AWG <a href="#">Cable #RF50983</a> 4 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.400-GC2K-*</a>	1. BN 2. WH 3. BU 4. BK	
	Female	Right Angled	<a href="#">EKWT-A4.400-GC2K-*</a>		
	Male	Straight	<a href="#">ESRT-A4.400-GC2K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.400-GC2K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.400-GC2K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.400-GC2K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.400-GC2K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.400-GC2K-*</a>		
5 x 22 AWG <a href="#">Cable #RF50982</a> 4 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A5.500-GC2K-*</a>	1. BN 2. WH 3. BU 4. BK 5. GY	
	Female	Right Angled	<a href="#">EKWT-A5.500-GC2K-*</a>		
	Male	Straight	<a href="#">ESRT-A5.500-GC2K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A5.500-GC2K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A5.500-GC2K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A5.500-GC2K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A5.500-GC2K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A5.500-GC2K-*</a>		

\* Length in meters. Standard lengths are 2, 5, and 10 meters. Consult factory for other lengths.

For nickel plated brass coupling nut without the Torque Sleeve, replace T with B (ex: EKRB, ESRB, EKWB, ESWB).

For 316 stainless steel coupling nut with Torque Sleeve, replace T with L (ex: EKRL, ESRL, EKWL, ESWL).

For 316 stainless steel coupling nut without Torque Sleeve, replace T with V (ex: EKRV, ESRV, EKWV, ESWV).

For plastic (acetal) coupling nut without Torque Sleeve, replace T with V (ex: EKRP, ESRP, EKWP, ESWP), plastic coupling nut is not compatible with the Torque Sleeve.

Alternate wiring available, consult factory for additional options.

¹ When properly installed Flexlife cables can flex up to 10 million cycles at 20 x cable OD bend radius, @ 20 °C, 50%RH, and a cycle speed of ≤0.5 cycles per second.

Installation guide found [here](#).

We reserve the right to make technical alterations without prior notice.

# M12 Eurofast Actuator and Sensor Cordsets - A-Coded with Optional Torque Sleeve

## General purpose 18 AWG black PVC cable

Cable Properties	
Cable Approvals	UL: ITC 150V, PLTC 300V, AWM 300V, OIL RES I & II, -40C COLD BEND, CSA: CMX OUTDOOR 300V, CMG 300V, AWM I/II A/B, FT4
Cable Temperature Rating	-40 °C to +105 °C
Cable Features	Sunlight resistant (UL 1581, Sect 1200) Flexlife & C-Track approved <sup>1</sup>



Product Details	Gender	Orientation	Part Number	Wiring	Contact Assignment
3 x 18 AWG <a href="#">Cable #RF52510</a> 5 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.300-GC8K-*</a>	1. BN 2. N/C 3. BU 4. BK	 Male
	Female	Right Angled	<a href="#">EKWT-A4.300-GC8K-*</a>		 Female
	Male	Straight	<a href="#">ESRT-A4.300-GC8K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.300-GC8K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.300-GC8K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.300-GC8K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.300-GC8K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.300-GC8K-*</a>		
4 x 18 AWG <a href="#">Cable #RF50816</a> 5 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.400-GC8K-*</a>	1. BN 2. WH 3. BU 4. BK	 Male
	Female	Right Angled	<a href="#">EKWT-A4.400-GC8K-*</a>		 Female
	Male	Straight	<a href="#">ESRT-A4.400-GC8K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.400-GC8K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.400-GC8K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.400-GC8K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.400-GC8K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.400-GC8K-*</a>		
5 x 18 AWG <a href="#">Cable #100008821</a> 5 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A5.500-GC8K-*</a>	1. BN 2. WH 3. BU 4. BK 5. GY	 Male
	Female	Right Angled	<a href="#">EKWT-A5.500-GC8K-*</a>		 Female
	Male	Straight	<a href="#">ESRT-A5.500-GC8K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A5.500-GC8K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A5.500-GC8K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A5.500-GC8K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A5.500-GC8K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A5.500-GC8K-*</a>		

\* Length in meters. Standard Lengths are 2, 5, and 10 meters. Consult factory for other lengths.

For nickel plated brass coupling nut without the Torque Sleeve, replace T with B (ex: EKRB, ESRB, EKWB, ESWB).

For 316 stainless steel coupling nut with Torque Sleeve, replace T with L (ex: EKRL, ESRL, EKWL, ESWL).

For 316 stainless steel coupling nut without Torque Sleeve, replace T with V (ex: EKRV, ESRV, EKWV, ESWV).

For plastic (acetal) coupling nut without Torque Sleeve, replace T with V (ex: EKRP, ESRP, EKWP, ESWP), plastic coupling nut is not compatible with the Torque Sleeve.

Alternate wiring available, consult factory for additional options.

<sup>1</sup> When properly installed Flexlife cables can flex up to 10 million cycles at 20 x cable OD bend radius, @ 20 °C, 50%RH, and a cycle speed of ≤0.5 cycles per second.

Installation guide found [here](#).

# M12 Eurofast Actuator and Sensor Cordsets - A-Coded with Optional Torque Sleeve

## General purpose 22 AWG black TPU cable



Cable Properties	
Cable Approvals	UL: AWM 21743 300V CSA: AWM I/II A/B 300V, FT1
Cable Temperature Rating	-40 °C to +90 °C
Cable Features	Flexlife & C-Track approved <sup>1</sup> Sunlight resistant Oil resistant

Product Details	Gender	Orientation	Part Number	Wiring	Contact Assignment
3 x 22 AWG <a href="#">Cable #RF52508</a> 4 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.300-GU2K-*</a>	1. BN 2. N/C 3. BU 4. BK	
	Female	Right Angled	<a href="#">EKWT-A4.300-GU2K-*</a>		
	Male	Straight	<a href="#">ESRT-A4.300-GU2K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.300-GU2K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.300-GU2K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.300-GU2K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.300-GU2K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.300-GU2K-*</a>		
4 x 22 AWG <a href="#">Cable #RF52513</a> 4 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.400-GU2K-*</a>	1. BN 2. WH 3. BU 4. BK	
	Female	Right Angled	<a href="#">EKWT-A4.400-GU2K-*</a>		
	Male	Straight	<a href="#">ESRT-A4.400-GU2K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.400-GU2K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.400-GU2K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.400-GU2K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.400-GU2K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.400-GU2K-*</a>		
5 x 22 AWG <a href="#">Cable #RF52517</a> 5 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A5.500-GU2K-*</a>	1. BN 2. WH 3. BU 4. BK 5. GY	
	Female	Right Angled	<a href="#">EKWT-A5.500-GU2K-*</a>		
	Male	Straight	<a href="#">ESRT-A5.500-GU2K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A5.500-GU2K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A5.500-GU2K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A5.500-GU2K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A5.500-GU2K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A5.500-GU2K-*</a>		

\* Length in meters. Standard Lengths are 2, 5, and 10 meters. Consult factory for other lengths.

For nickel plated brass coupling nut without the Torque Sleeve, replace T with B (ex: EKRB, ESRB, EKWB, ESWB).

For 316 stainless steel coupling nut with Torque Sleeve, replace T with L (ex: EKRL, ESRL, EKWL, ESWL).

For 316 stainless steel coupling nut without Torque Sleeve, replace T with V (ex: EKRV, ESRV, EKWV, ESWV).

For plastic (acetal) coupling nut without Torque Sleeve, replace T with V (ex: EKRP, ESRP, EKWP, ESWP); plastic coupling nut is not compatible with the Torque Sleeve.

Alternate wiring available, consult factory for additional options.

<sup>1</sup> When properly installed Flexlife cables can flex up to 10 million cycles at 20 x cable OD bend radius, @ 20 °C, 50%RH, and a cycle speed of ≤0.5 cycles per second.

Installation guide found [here](#).

We reserve the right to make technical alterations without prior notice.

# M12 Eurofast Actuator and Sensor Cordsets - A-Coded with Optional Torque Sleeve

## General purpose 18 AWG black TPU cable

Cable Properties	
Cable Approvals	UL: AWM 21744 600V CSA: AWM I/II A/B 600V, FT1
Cable Temperature Rating	-40 °C to +90 °C
Cable Features	Flexlife & C-Track approved <sup>1</sup> Sunlight resistant Oil resistant



Product Details	Gender	Orientation	Part Number	Wiring	Contact Assignment
3 x 18 AWG <a href="#">Cable #100008824</a> 5 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.300-GU8K-*</a>	1. BN 2. N/C 3. BU 4. BK	 Male
	Female	Right Angled	<a href="#">EKWT-A4.300-GU8K-*</a>		 Female
	Male	Straight	<a href="#">ESRT-A4.300-GU8K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.300-GU8K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.300-GU8K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.300-GU8K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.300-GU8K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.300-GU8K-*</a>		
4 x 18 AWG <a href="#">Cable #RF52514</a> 5 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.400-GU8K-*</a>	1. BN 2. WH 3. BU 4. BK	 Male
	Female	Right Angled	<a href="#">EKWT-A4.400-GU8K-*</a>		 Female
	Male	Straight	<a href="#">ESRT-A4.400-GU8K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.400-GU8K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.400-GU8K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.400-GU8K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.400-GU8K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.400-GU8K-*</a>		
5 x 18 AWG <a href="#">Cable #RF52518</a> 5 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A5.500-GU8K-*</a>	1. BN 2. WH 3. BU 4. BK 5. GY	 Male
	Female	Right Angled	<a href="#">EKWT-A5.500-GU8K-*</a>		 Female
	Male	Straight	<a href="#">ESRT-A5.500-GU8K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A5.500-GU8K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A5.500-GU8K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A5.500-GU8K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A5.500-GU8K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A5.500-GU8K-*</a>		

\* Length in meters. Standard Lengths are 2, 5, and 10 meters. Consult factory for other lengths.

For nickel plated brass coupling nut without the Torque Sleeve, replace T with B (ex: EKRB, ESRB, EKWB, ESWB).

For 316 stainless steel coupling nut with Torque Sleeve, replace T with L (ex: EKRL, ESRL, EKWL, ESWL).

For 316 stainless steel coupling nut without Torque Sleeve, replace T with V (ex: EKRV, ESRV, EKWV, ES WV).

For plastic (acetal) coupling nut without Torque Sleeve, replace T with V (ex: EKRP, ESRP, EKWP, ES WP), plastic coupling nut is not compatible with the Torque Sleeve.

Alternate wiring available, consult factory for additional options.

<sup>1</sup> When properly installed Flexlife cables can flex up to 10 million cycles at 20 x cable OD bend radius, @ 20 °C, 50%RH, and a cycle speed of ≤0.5 cycles per second.

Installation guide found [here](#).

# M12 Eurofast Actuator and Sensor Cordsets - A-Coded with Optional Torque Sleeve

## Weldlife® 22 AWG black TPE cable



Cable Properties	
Cable Approvals	UL: ITC 150V, PLTC 300V, AWM 300V, OIL RES I & II, -40C COLD BEND CSA: CMX OUTDOOR 300V, CMG 300V, AWM I/II A/B, FT4
Cable Temperature Rating	-40 °C to +150 °C
Cable Features	Sunlight resistant (UL 1581, Sect 1200) Flexlife & C-Track approved <sup>1</sup>

Product Details	Gender	Orientation	Part Number	Wiring	Contact Assignment
3 x 22 AWG <a href="#">Cable #100008826</a> 4 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.300-WE2K-*</a>	1. BN 2. N/C 3. BU 4. BK	
	Female	Right Angled	<a href="#">EKWT-A4.300-WE2K-*</a>		
	Male	Straight	<a href="#">ESRT-A4.300-WE2K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.300-WE2K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.300-WE2K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.300-WE2K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.300-WE2K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.300-WE2K-*</a>		
4 x 22 AWG <a href="#">Cable #100008819</a> 4 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.400-WE2K-*</a>	1. BN 2. WH 3. BU 4. BK	
	Female	Right Angled	<a href="#">EKWT-A4.400-WE2K-*</a>		
	Male	Straight	<a href="#">ESRT-A4.400-WE2K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.400-WE2K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.400-WE2K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.400-WE2K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.400-WE2K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.400-WE2K-*</a>		
5 x 22 AWG <a href="#">Cable #RF52516</a> 4 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A5.500-WE2K-*</a>	1. BN 2. WH 3. BU 4. BK 5. GY	
	Female	Right Angled	<a href="#">EKWT-A5.500-WE2K-*</a>		
	Male	Straight	<a href="#">ESRT-A5.500-WE2K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A5.500-WE2K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A5.500-WE2K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A5.500-WE2K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A5.500-WE2K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A5.500-WE2K-*</a>		

\* Length in meters. Standard Lengths are 2, 5, and 10 meters. Consult factory for other lengths.

For nickel plated brass coupling nut without the Torque Sleeve, replace T with B (ex: EKRB, ESRB, EKWB, ESWB).

For 316 stainless steel coupling nut with Torque Sleeve, replace T with L (ex: EKRL, ESRL, EKWL, ESWL).

For 316 stainless steel coupling nut without Torque Sleeve, replace T with V (ex: EKRV, ESRV, EKWV, ESWV).

For plastic (acetal) coupling nut without Torque Sleeve, replace T with V (ex: EKRP, ESRP, EKWP, ESWP); plastic coupling nut is not compatible with the torque sleeve.

Alternate wiring available, consult factory for additional options.

<sup>1</sup> When properly installed Flexlife cables can flex up to 10 million cycles at 20 x cable OD bend radius, @ 20 °C, 50%RH, and a cycle speed of ≤0.5 cycles per second.

Installation guide found [here](#).

We reserve the right to make technical alterations without prior notice.

# M12 Eurofast Actuator and Sensor Cordsets - A-Coded with Optional Torque Sleeve

## Weldlife 18 AWG black TPE cable

Cable Properties	
Cable Approvals	UL: ITC 150V, PLTC 300V, AWM 600V, OIL RES I & II, -40C COLD BEND CSA: CMX OUTDOOR 300V, CMG 600V, AWM I/II A/B, FT4
Cable Temperature Rating	-40 °C to +105 °C
Cable Features	Flexlife & C-Track approved <sup>1</sup> Sunlight resistant (UL 1581, Sect 1200)



Product Details	Gender	Orientation	Part Number	Wiring	Contact Assignment
3 x 18 AWG <a href="#">Cable #100008823</a> 5 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.300-WE8K-*</a>	1. BN 2. N/C 3. BU 4. BK	 Male
	Female	Right Angled	<a href="#">EKWT-A4.300-WE8K-*</a>		 Female
	Male	Straight	<a href="#">ESRT-A4.300-WE8K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.300-WE8K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.300-WE8K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.300-WE8K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.300-WE8K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.300-WE8K-*</a>		
4 x 18 AWG <a href="#">Cable #RF52515</a> 5 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A4.400-WE8K-*</a>	1. BN 2. WH 3. BU 4. BK	 Male
	Female	Right Angled	<a href="#">EKWT-A4.400-WE8K-*</a>		 Female
	Male	Straight	<a href="#">ESRT-A4.400-WE8K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A4.400-WE8K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A4.400-WE8K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A4.400-WE8K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A4.400-WE8K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A4.400-WE8K-*</a>		
5 x 18 AWG <a href="#">Cable #RF52519</a> 5 amps 300 V <sub>DC</sub> /250 V <sub>AC</sub>	Female	Straight	<a href="#">EKRT-A5.500-WE8K-*</a>	1. BN 2. WH 3. BU 4. BK 5. GY	 Male
	Female	Right Angled	<a href="#">EKWT-A5.500-WE8K-*</a>		 Female
	Male	Straight	<a href="#">ESRT-A5.500-WE8K-*</a>		
	Male	Right Angled	<a href="#">ESWT-A5.500-WE8K-*</a>		
	Female/Male	Straight/Straight	<a href="#">EKRT-ESRT-A5.500-WE8K-*</a>		
	Female/Male	Straight/Right Angled	<a href="#">EKRT-ESWT-A5.500-WE8K-*</a>		
	Female/Male	Right Angled/Straight	<a href="#">EKWT-ESRT-A5.500-WE8K-*</a>		
	Female/Male	Right Angled/Right Angled	<a href="#">EKWT-ESWT-A5.500-WE8K-*</a>		

\* Length in meters. Standard lengths are 2, 5, and 10 meters. Consult factory for other lengths.

For nickel plated brass coupling nut without the Torque Sleeve, replace T with B (ex: EKRB, ESRB, EKWB, ESWB).

For 316 stainless steel coupling nut with Torque Sleeve, replace T with L (ex: EKRL, ESRL, EKWL, ESWL).

For 316 stainless steel coupling nut without Torque Sleeve, replace T with V (ex: EKRV, ESRV, EKWV, ES WV).

For plastic (acetal) coupling nut without Torque Sleeve, replace T with V (ex: EKRP, ESRP, EKWP, ES WP), plastic coupling nut is not compatible with the torque sleeve.

Alternate wiring available, consult factory for additional options.

<sup>1</sup> When properly installed Flexlife cables can flex up to 10 million cycles at 20 x cable OD bend radius, @ 20 °C, 50%RH, and a cycle speed of ≤0.5 cycles per second.

Installation guide found [here](#).



# M12 Eurofast Actuator and Sensor Receptacles

General Properties	
Design specification	Acc. To IEC 61076-2-101
Contacts	Brass, CuSn, Gold-plated
Contact carriers	Plastic, TPU, Black
Connector body	Plastic, TPU, Black
Mechanical life	>100
Protection class	When coupled - IP67, IP68, IP69K NEMA: 1, 3, 4, 6P, 12
Tightening torque (range)	0.4...1 Nm
Approvals	UL 2238, RoHS, CE, CSA

## Part Number Key

E R S B G - A4 . 4 00 4 - \*

### Family

E = Eurofast (M12)

### Mounting Type

F = front mount receptacle

R = rear mount receptacle

### Gender

K = female

S = male

### Housing Material

B = nickel plated brass (standard)

V = stainless steel

### Mounting Thread

G = PG9

H = 1/2-14 NPT

Q = 1/4-18 NPT

M = M16

T = M20

### Locknut

(blank) = included/installed, same material as housing

0 = (zero) not included

### Length in Meters

Nearest 0.1 m

Max 4 characters

### Wire Gauge

.2 = 22 AWG

.8 = 18 AWG

.4 = 24 AWG, non-standard

.0 = 20 AWG, non-standard

... =

### Pinout

00 = Standard DC

... = Consult factory for other options

### Number of Conductors

### Keyway Coding and Pole Count

A4 = standard / A-code with 4 poles (up to 4 wires when center pin is not used)

A5 = standard / A-code with 5 poles (up to 5 wires when center pin is used)

B5 = reversed / B-code with 5 poles

## M12 Eurofast Actuator and Sensor Receptacles - A-Coded

### 4-wire panel mount receptacles



Product Details	Gender	Mounting Thread	Mounting Orientation	Part Number	Wiring	Contact Assignment
4 x 22 AWG 4 amps 300 <sub>VDC</sub> /250 VAC <sub>AC</sub>	Female	PG9	Rear Mount	<a href="#">ERKBG-A4.400.2-*</a>	1. BN 2. WH 3. BU 4. BK	 Female
	Female	PG9	Front Mount	<a href="#">EFKBG-A4.400.2-*</a>		
	Female	M16	Rear Mount	<a href="#">ERKBM-A4.400.2-*</a>		
	Female	M16	Front Mount	<a href="#">EFKBM-A4.400.2-*</a>		
	Female	M20	Front Mount	<a href="#">EFKBT-A4.400.2-*</a>		
	Female	1/4-18 NPT	Front Mount	<a href="#">EFKBQ-A4.400.2-*</a>		
	Female	1/2-14 NPT	Front Mount	<a href="#">EFKBH-A4.400.2-*</a>		
	Male	PG9	Rear Mount	<a href="#">ERSBG-A4.400.2-*</a>		
	Male	PG9	Front Mount	<a href="#">EFSBG-A4.400.2-*</a>		
	Male	M16	Rear Mount	<a href="#">ERSBM-A4.400.2-*</a>		
	Male	M16	Front Mount	<a href="#">EFSBM-A4.400.2-*</a>		
	Male	M20	Front Mount	<a href="#">EFSBT-A4.400.2-*</a>		
	Male	1/4-18 NPT	Front Mount	<a href="#">EFSBQ-A4.400.2-*</a>		
	Male	1/2-14 NPT	Front Mount	<a href="#">EFSBH-A4.400.2-*</a>		
4 x 18 AWG 5 amps 300 <sub>VDC</sub> /250 VAC <sub>AC</sub>	Female	PG9	Rear Mount	<a href="#">ERKBG-A4.400.8-*</a>		 Male
	Female	PG9	Front Mount	<a href="#">EFKBG-A4.400.8-*</a>		
	Female	M16	Rear Mount	<a href="#">ERKBM-A4.400.8-*</a>		
	Female	M16	Front Mount	<a href="#">EFKBM-A4.400.8-*</a>		
	Female	M20	Front Mount	<a href="#">EFKBT-A4.400.8-*</a>		
	Female	1/4-18 NPT	Front Mount	<a href="#">EFKBQ-A4.400.8-*</a>		
	Female	1/2-14 NPT	Front Mount	<a href="#">EFKBH-A4.400.8-*</a>		
	Male	PG9	Rear Mount	<a href="#">ERSBG-A4.400.8-*</a>		
	Male	PG9	Front Mount	<a href="#">EFSBG-A4.400.8-*</a>		
	Male	M16	Rear Mount	<a href="#">ERSBM-A4.400.8-*</a>		
	Male	M16	Front Mount	<a href="#">EFSBM-A4.400.8-*</a>		
	Male	M20	Front Mount	<a href="#">EFSBT-A4.400.8-*</a>		
	Male	1/4-18 NPT	Front Mount	<a href="#">EFSBQ-A4.400.8-*</a>		
	Male	1/2-14 NPT	Front Mount	<a href="#">EFSBH-A4.400.8-*</a>		

\* Length in meters. Standard Lengths are 0.5, 1, and 2 meters. Consult Factory for other lengths.

To order without a locknut, simply add 0 (zero) at the end of the first section. (ex: EFKBG0, ERKBG0, EFSBG0, ERSBG0).

+For 316 stainless steel receptacle housings & locknuts replace B with V. (ex: EFKVG, ERKVG, EFSVG, ERSVG).

Alternate wiring available, consult factory for additional options.

# M12 Eurofast Actuator and Sensor Receptacles - A-Coded

## 5-wire panel mount receptacles



Product Details	Gender	Mounting Thread	Mounting Orientation	Part Number	Wiring	Contact Assignment
5 x 22 AWG 4 amps 300 <sub>VDC</sub> /250 VAC <sub>AC</sub>	Female	PG9	Rear Mount	<a href="#">ERKBG-A5.500.2-*</a>	1. BN 2. WH 3. BU 4. BK 5. GY	 <p>Female</p>
	Female	PG9	Front Mount	<a href="#">EFKBG-A5.500.2-*</a>		
	Female	M16	Rear Mount	<a href="#">ERKBM-A5.500.2-*</a>		
	Female	M16	Front Mount	<a href="#">EFKBM-A5.500.2-*</a>		
	Female	M20	Front Mount	<a href="#">EFKBT-A5.500.2-*</a>		
	Female	1/4-18 NPT	Front Mount	<a href="#">EFKBQ-A5.500.2-*</a>		
	Female	1/2-14 NPT	Front Mount	<a href="#">EFKBH-A5.500.2-*</a>		
	Male	PG9	Rear Mount	<a href="#">ERSBG-A5.500.2-*</a>		
	Male	PG9	Front Mount	<a href="#">EFSBG-A5.500.2-*</a>		
	Male	M16	Rear Mount	<a href="#">ERSBM-A5.500.2-*</a>		
	Male	M16	Front Mount	<a href="#">EFSBM-A5.500.2-*</a>		
	Male	M20	Front Mount	<a href="#">EFSBT-A5.500.2-*</a>		
	Male	1/4-18 NPT	Front Mount	<a href="#">EFSBQ-A5.500.2-*</a>		
	Male	1/2-14 NPT	Front Mount	<a href="#">EFSBH-A5.500.2-*</a>		
5 x 18 AWG 5 amps 300 <sub>VDC</sub> /250 VAC <sub>AC</sub>	Female	PG9	Rear Mount	<a href="#">ERKBG-A5.500.8-*</a>	1. BN 2. WH 3. BU 4. BK 5. GY	 <p>Male</p>
	Female	PG9	Front Mount	<a href="#">EFKBG-A5.500.8-*</a>		
	Female	M16	Rear Mount	<a href="#">ERKBM-A5.500.8-*</a>		
	Female	M16	Front Mount	<a href="#">EFKBM-A5.500.8-*</a>		
	Female	M20	Front Mount	<a href="#">EFKBT-A5.500.8-*</a>		
	Female	1/4-18 NPT	Front Mount	<a href="#">EFKBQ-A5.500.8-*</a>		
	Female	1/2-14 NPT	Front Mount	<a href="#">EFKBH-A5.500.8-*</a>		
	Male	PG9	Rear Mount	<a href="#">ERSBG-A5.500.8-*</a>		
	Male	PG9	Front Mount	<a href="#">EFSBG-A5.500.8-*</a>		
	Male	M16	Rear Mount	<a href="#">ERSBM-A5.500.8-*</a>		
	Male	M16	Front Mount	<a href="#">EFSBM-A5.500.8-*</a>		
	Male	M20	Front Mount	<a href="#">EFSBT-A5.500.8-*</a>		
	Male	1/4-18 NPT	Front Mount	<a href="#">EFSBQ-A5.500.8-*</a>		
	Male	1/2-14 NPT	Front Mount	<a href="#">EFSBH-A5.500.8-*</a>		

\* Length in meters. Standard Lengths are 0.5, 1, and 2 meters. Consult Factory for other lengths.

To order without a locknut, simply add 0 (zero) at the end of the first section. (ex: EFKBG0, ERKBG0, EFSBG0, ERSBG0).

+For 316 stainless steel receptacle housings & locknuts replace B with V. (ex: EFKVG, ERKVG, EFSVG, ERSVG).

Alternate wiring available, consult factory for additional options.

We reserve the right to make technical alterations without prior notice.

## Accessories

### Torque Sleeves



Part Number	Description
<a href="#">M12-TORQUE-SLEEVE,YELLOW(10PACK)</a>	10 Pack of Yellow Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.
<a href="#">M12-TORQUE-SLEEVE,WHITE(10PACK)</a>	10 Pack of White Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.
<a href="#">M12-TORQUE-SLEEVE,RED(10PACK)</a>	10 Pack of Red Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.
<a href="#">M12-TORQUE-SLEEVE,PURPLE(10PACK)</a>	10 Pack of Purple Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.
<a href="#">M12-TORQUE-SLEEVE,ORANGE(10PACK)</a>	10 Pack of Orange Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.
<a href="#">M12-TORQUE-SLEEVE,GREY(10PACK)</a>	10 Pack of Grey Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.
<a href="#">M12-TORQUE-SLEEVE,GREEN(10PACK)</a>	10 Pack of Green Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.
<a href="#">M12-TORQUE-SLEEVE,BLUE(10PACK)</a>	10 Pack of Blue Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.
<a href="#">M12-TORQUE-SLEEVE,BLACK(10PACK)</a>	10 Pack of Black Torque Sleeves for the new M12 cordsets. Compatible with male, female, straight and right-angled, stainless steel and nickel-plated brass coupling nuts.
<a href="#">M12-TORQUE-SLEEVE-REMOVAL-TOOL</a>	1 small flatbladed screw driver for removing a torque sleeve from a mated, or un-mated cordset.
<a href="#">DECAL,9-CLRS,RECEPT+BOXES,EURO(QTY1)</a>	1 decal sticker containing 9 different color sets of 11 decals to color code a sensor, junction block port, cable end, or receptacle. 5ct 4x9mm rectangles, 4ct 8x19mm rectangles, 1ct 27mm ID ring, 1ct 20mm ID ring.

## Accessories

### Miscellaneous

Part Number	Description
<a href="#">M12-CORSETS-MOUNTING-CLIP-(10/BAG)</a>	10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.
<a href="#">LOCKNUT-PG9-BRASS-(10/BAG)</a>	10 pack of brass locknuts for receptacles with PG9 mounting thread.
<a href="#">LOCKNUT-PG9-316SS-(10/BAG)</a>	10 pack of 316SS locknuts for receptacles with PG9 mounting thread.
<a href="#">LOCKNUT-M20-BRASS-(10/BAG)</a>	10 pack of brass locknuts for receptacles with M20 mounting thread.
<a href="#">LOCKNUT-M20-316SS-(10/BAG)</a>	10 pack of 316SS locknuts for receptacles with M20 mounting thread.
<a href="#">LOCKNUT-M16-BRASS-(10/BAG)</a>	10 pack of brass locknuts for receptacles with M16 mounting thread.
<a href="#">LOCKNUT-M16-316SS-(10/BAG)</a>	10 pack of 316SS locknuts for receptacles with M16 mounting thread.
<a href="#">LOCKNUT-1/4NPT-BRASS-(10/BAG)</a>	10 pack of brass locknuts for receptacles with 1/4NPT mounting thread.
<a href="#">LOCKNUT-1/4NPT-316SS-(10/BAG)</a>	10 pack of 316SS locknuts for receptacles with 1/4NPT mounting thread.
<a href="#">LOCKNUT-1/2NPT-BRASS-(10/BAG)</a>	10 pack of brass locknuts for receptacles with 1/2NPT mounting thread.
<a href="#">LOCKNUT-1/2NPT-316SS-(10/BAG)</a>	10 pack of 316SS locknuts for receptacles with 1/2NPT mounting thread.
<a href="#">M12-GASKET-M20,1/2NPT-(10/BAG)</a>	10 pack of NBR gasket for receptacles with M20 or 1/2NPT mounting threads.
<a href="#">M12-GASKET-PG9,M16,1/4NPT-(10/BAG)</a>	10 pack of NBR gasket for receptacles with PG9,M16, or 1/4NPT mounting threads.
<a href="#">ORING-Ø7x1.5-M12-(10/BAG)</a>	10 pack of Ø7x1.5 FKM O-rings for female M12 connectors

We reserve the right to make technical alterations without prior notice.

Torque Wrenches



Part Number	Mounting Thread
<a href="#">TORQUE-WRENCH-SET-M12-LEGACY</a>	Adjustable torque driver to connect to a Ø15mm knurl. Compatible with the redesigned and legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, (1) 1/4"square to 4mm hex adaptor bit, and (1) Ø15mm spring loaded clamp bit.
<a href="#">TORQUE-WRENCH-SET-M12&amp;M8-LEGACY</a>	Adjustable torque driver to connect to a Ø10mm and Ø15mm knurl. Compatible with the redesigned M12 cordsets and legacy M8 and M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, (1) 1/4"square to 4mm hex adaptor bit, (1) Ø10mm spring loaded clamp bit, and (1) Ø15mm spring loaded clamp bit.
<a href="#">TORQUE-WRENCH-SET-M12/W13</a>	Adjustable torque driver to connect to the 13mm hex. Compatible with redesigned M12 cordsets, M12 Power, and M12 X-code. NOT Compatible with legacy M12 cordsets. Includes (1) adjustable torque driver, (1) adjustment tool, and (1) 13mm forked bit.
<a href="#">WRENCH-M12AL/SIZE 13MM</a>	13mm forked bit to connect to a 13mm hex. Intended to supplement an torque driver with a 4mm hex input. Compatible with redesigned M12 cordsets, M12 Power, and M12 X-code. NOT Compatible with legacy M12 cordsets. Includes (1) 13mm forked bit.

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Literature and Media questions or concerns?  
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