

Your Global Automation Partner

TURCK

M12 Eurofast®
Cordsets & Receptacles

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

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 = General purpose black PVC jacket with 22AWG conductors, C-Track suitable
GC8K = General purpose black PVC jacket with 18AWG conductors, C-Track suitable
GU2K = General purpose black TPU jacket with 22AWG conductors, C-Track Suitable
GU8K = General purpose black TPU jacket with 18AWG conductors, C-Track Suitable
WE2K = Weldlife™ black TPE jacket with 22AWG conductors, C-Track Suitable
WE8K = Weldlife black TPE jacket with 18AWG conductors, C-Track Suitable
- Pinout**
00 = Standard DC
... = Consult Factory for other options
- Number of Conductors**
- Poles**
4 = 4 poles
5 = 5 poles
- Keyway / Coding**
A = standard / A-coded

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 approved ¹

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

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

* 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, ESVV).

For plastic (acetal) coupling nut without Torque Sleeve, replace T with V (ex: EKRP, ESRP, EKWP, ESVP), 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](#).

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 ¹



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

* 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.

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](#).

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 ¹ Sunlight resistant Oil resistant

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

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

* 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.

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](#).

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 ¹ Sunlight resistant Oil resistant



Product Details	Gender	Orientation	Part Number	Wiring	Contact Assignment
3 x 18 AWG Cable #10008824 5 amps 300 V _{DC} /250 V _{AC}	Female	Straight	EKRT-A4.300-GU8K-*	1. BN 2. N/C 3. BU 4. BK	<p>Male</p>
	Female	Right Angled	EKWT-A4.300-GU8K-*		
	Male	Straight	ESRT-A4.300-GU8K-*		<p>Female</p>
	Male	Right Angled	ESWT-A4.300-GU8K-*		
	Female/Male	Straight/Straight	EKRT-ESRT-A4.300-GU8K-*		
	Female/Male	Straight/Right Angled	EKRT-ESWT-A4.300-GU8K-*		
	Female/Male	Right Angled/Straight	EKWT-ESRT-A4.300-GU8K-*		
	Female/Male	Right Angled/Right Angled	EKWT-ESWT-A4.300-GU8K-*		
4 x 18 AWG Cable #RF52514 5 amps 300 V _{DC} /250 V _{AC}	Female	Straight	EKRT-A4.400-GU8K-*	1. BN 2. WH 3. BU 4. BK	<p>Male</p>
	Female	Right Angled	EKWT-A4.400-GU8K-*		
	Male	Straight	ESRT-A4.400-GU8K-*		<p>Female</p>
	Male	Right Angled	ESWT-A4.400-GU8K-*		
	Female/Male	Straight/Straight	EKRT-ESRT-A4.400-GU8K-*		
	Female/Male	Straight/Right Angled	EKRT-ESWT-A4.400-GU8K-*		
	Female/Male	Right Angled/Straight	EKWT-ESRT-A4.400-GU8K-*		
	Female/Male	Right Angled/Right Angled	EKWT-ESWT-A4.400-GU8K-*		
5 x 18 AWG Cable #RF52518 5 amps 300 V _{DC} /250 V _{AC}	Female	Straight	EKRT-A5.500-GU8K-*	1. BN 2. WH 3. BU 4. BK 5. GY	<p>Male</p>
	Female	Right Angled	EKWT-A5.500-GU8K-*		
	Male	Straight	ESRT-A5.500-GU8K-*		<p>Female</p>
	Male	Right Angled	ESWT-A5.500-GU8K-*		
	Female/Male	Straight/Straight	EKRT-ESRT-A5.500-GU8K-*		
	Female/Male	Straight/Right Angled	EKRT-ESWT-A5.500-GU8K-*		
	Female/Male	Right Angled/Straight	EKWT-ESRT-A5.500-GU8K-*		
	Female/Male	Right Angled/Right Angled	EKWT-ESWT-A5.500-GU8K-*		

* 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.

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](#).

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 ¹

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

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

* 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.

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](#).

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 ¹ Sunlight resistant (UL 1581, Sect 1200)



Product Details	Gender	Orientation	Part Number	Wiring	Contact Assignment
3 x 18 AWG Cable #10008823 5 amps 300 V _{DC} /250 V _{AC}	Female	Straight	EKRT-A4.300-WE8K-*	1. BN 2. N/C 3. BU 4. BK	 Male
	Female	Right Angled	EKWT-A4.300-WE8K-*		 Female
	Male	Straight	ESRT-A4.300-WE8K-*		
	Male	Right Angled	ESWT-A4.300-WE8K-*		
	Female/Male	Straight/Straight	EKRT-ESRT-A4.300-WE8K-*		
	Female/Male	Straight/Right Angled	EKRT-ESWT-A4.300-WE8K-*		
	Female/Male	Right Angled/Straight	EKWT-ESRT-A4.300-WE8K-*		
	Female/Male	Right Angled/Right Angled	EKWT-ESWT-A4.300-WE8K-*		
4 x 18 AWG Cable #RF52515 5 amps 300 V _{DC} /250 V _{AC}	Female	Straight	EKRT-A4.400-WE8K-*	1. BN 2. WH 3. BU 4. BK	 Male
	Female	Right Angled	EKWT-A4.400-WE8K-*		 Female
	Male	Straight	ESRT-A4.400-WE8K-*		
	Male	Right Angled	ESWT-A4.400-WE8K-*		
	Female/Male	Straight/Straight	EKRT-ESRT-A4.400-WE8K-*		
	Female/Male	Straight/Right Angled	EKRT-ESWT-A4.400-WE8K-*		
	Female/Male	Right Angled/Straight	EKWT-ESRT-A4.400-WE8K-*		
	Female/Male	Right Angled/Right Angled	EKWT-ESWT-A4.400-WE8K-*		
5 x 18 AWG Cable #RF52519 5 amps 300 V _{DC} /250 V _{AC}	Female	Straight	EKRT-A5.500-WE8K-*	1. BN 2. WH 3. BU 4. BK 5. GY	 Male
	Female	Right Angled	EKWT-A5.500-WE8K-*		 Female
	Male	Straight	ESRT-A5.500-WE8K-*		
	Male	Right Angled	ESWT-A5.500-WE8K-*		
	Female/Male	Straight/Straight	EKRT-ESRT-A5.500-WE8K-*		
	Female/Male	Straight/Right Angled	EKRT-ESWT-A5.500-WE8K-*		
	Female/Male	Right Angled/Straight	EKWT-ESRT-A5.500-WE8K-*		
	Female/Male	Right Angled/Right Angled	EKWT-ESWT-A5.500-WE8K-*		

* 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.

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](#).

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

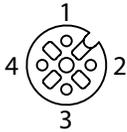
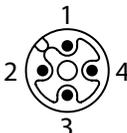
E	R	S	B	G	-	A	4	.	4	00	.	2	-	*
Family E = Eurofast (M12)					Length in Meters Nearest 0.1 m Max 4 characters									
Mounting Type F = front mount receptacle R = rear mount receptacle					Color of Gauge Definition .2 = 22 AWG .8 = 18 AWG .4 = 24 AWG, non-standard .0 = 20 AWG, non-standard ... =									
Gender K = female S = male					Pinout 00 = Standard DC ... = Consult factory for other options									
Housing Material B = nickel plated brass (standard) V = stainless steel					Number of Conductors									
Mounting Thread G = PG9 H = 1/2-14 NPT Q = 1/4-18 NPT M = M16 T = M20					Poles 4 = 4 poles 5 = 5 poles									
Locknut (blank) = included/installed, same material as housing 0 = (zero) not included					Keyway / Coding A = standard / A-coded									

M12 Eurofast Actuator and Sensor Receptacles - A-Coded

3-wire panel mount receptacles



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

Product Details	Gender	Mounting Thread	Mounting Orientation	Part Number	Wiring	Contact Assignment	
3 x 22 AWG 4 amps 300 _{VDC} /250 VAC _{AC}	Female	PG9	Rear Mount	ERKBG-A4.300.2-*	1. BN 2. N/C 3. BU 4. BK	 <p>Female</p>	
	Female	PG9	Front Mount	EFKBG-A4.300.2-*			
	Female	M16	Rear Mount	ERKBM-A4.300.2-*			
	Female	M16	Front Mount	EFKBM-A4.300.2-*			
	Female	M20	Front Mount	EFKBT-A4.300.2-*			
	Female	1/4-18 NPT	Front Mount	EFKBQ-A4.300.2-*			
	Female	1/2-14 NPT	Front Mount	EFKBH-A4.300.2-*			
	Male	PG9	Rear Mount	ERSBG-A4.300.2-*			
	Male	PG9	Front Mount	EFSBG-A4.300.2-*			
	Male	M16	Rear Mount	ERSBM-A4.300.2-*			
	Male	M16	Front Mount	EFSBM-A4.300.2-*			
	Male	M20	Front Mount	EFSBT-A4.300.2-*			
	Male	1/4-18 NPT	Front Mount	EFSBQ-A4.300.2-*			
	Male	1/2-14 NPT	Front Mount	EFSBH-A4.300.2-*			
3 x 18 AWG 5 amps 300 _{VDC} /250 VAC _{AC}	Female	PG9	Rear Mount	ERKBG-A4.300.8-*		1. BN 2. N/C 3. BU 4. BK	 <p>Male</p>
	Female	PG9	Front Mount	EFKBG-A4.300.8-*			
	Female	M16	Rear Mount	ERKBM-A4.300.8-*			
	Female	M16	Front Mount	EFKBM-A4.300.8-*			
	Female	M20	Front Mount	EFKBT-A4.300.8-*			
	Female	1/4-18 NPT	Front Mount	EFKBQ-A4.300.8-*			
	Female	1/2-14 NPT	Front Mount	EFKBH-A4.300.8-*			
	Male	PG9	Rear Mount	ERSBG-A4.300.8-*			
	Male	PG9	Front Mount	EFSBG-A4.300.8-*			
	Male	M16	Rear Mount	ERSBM-A4.300.8-*			
	Male	M16	Front Mount	EFSBM-A4.300.8-*			
	Male	M20	Front Mount	EFSBT-A4.300.8-*			
	Male	1/4-18 NPT	Front Mount	EFSBQ-A4.300.8-*			
	Male	1/2-14 NPT	Front Mount	EFSBH-A4.300.8-*			

* 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: EFKVKG, ERKVG, EFSVG, ERSVG).

Alternate wiring available, consult factory for additional options.

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 _{VDC} /250 VAC _{AC}	Female	PG9	Rear Mount	ERKBG-A4.400.2-*	1. BN 2. WH 3. BU 4. BK	<p>Female</p>	
	Female	PG9	Front Mount	EFKBG-A4.400.2-*			
	Female	M16	Rear Mount	ERKBM-A4.400.2-*			
	Female	M16	Front Mount	EFKBM-A4.400.2-*			
	Female	M20	Front Mount	EFKBT-A4.400.2-*			
	Female	1/4-18 NPT	Front Mount	EFKBO-A4.400.2-*			
	Female	1/2-14 NPT	Front Mount	EFKBH-A4.400.2-*			
	Male	PG9	Rear Mount	ERSBG-A4.400.2-*			
	Male	PG9	Front Mount	EFSBG-A4.400.2-*			
	Male	M16	Rear Mount	ERSBM-A4.400.2-*			
	Male	M16	Front Mount	EFSBM-A4.400.2-*			
	Male	M20	Front Mount	EFSBT-A4.400.2-*			
	Male	1/4-18 NPT	Front Mount	EFSBO-A4.400.2-*			
	Male	1/2-14 NPT	Front Mount	EFSBH-A4.400.2-*			
4 x 18 AWG 5 amps 300 _{VDC} /250 VAC _{AC}	Female	PG9	Rear Mount	ERKBG-A4.400.8-*		1. BN 2. WH 3. BU 4. BK	<p>Male</p>
	Female	PG9	Front Mount	EFKBG-A4.400.8-*			
	Female	M16	Rear Mount	ERKBM-A4.400.8-*			
	Female	M16	Front Mount	EFKBM-A4.400.8-*			
	Female	M20	Front Mount	EFKBT-A4.400.8-*			
	Female	1/4-18 NPT	Front Mount	EFKBO-A4.400.8-*			
	Female	1/2-14 NPT	Front Mount	EFKBH-A4.400.8-*			
	Male	PG9	Rear Mount	ERSBG-A4.400.8-*			
	Male	PG9	Front Mount	EFSBG-A4.400.8-*			
	Male	M16	Rear Mount	ERSBM-A4.400.8-*			
	Male	M16	Front Mount	EFSBM-A4.400.8-*			
	Male	M20	Front Mount	EFSBT-A4.400.8-*			
	Male	1/4-18 NPT	Front Mount	EFSBO-A4.400.8-*			
	Male	1/2-14 NPT	Front Mount	EFSBH-A4.400.8-*			

* 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



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

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

* 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: EFKVKG, ERKVG, EFSVG, ERSVG).

Alternate wiring available, consult factory for additional options.

Accessories

Torque Sleeves



Part Number	Description
M12-TORQUE-SLEEVE,YELLOW(10PACK)	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.
M12-TORQUE-SLEEVE,WHITE(10PACK)	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.
M12-TORQUE-SLEEVE,RED(10PACK)	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.
M12-TORQUE-SLEEVE,PURPLE(10PACK)	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.
M12-TORQUE-SLEEVE,ORANGE(10PACK)	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.
M12-TORQUE-SLEEVE,GREY(10PACK)	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.
M12-TORQUE-SLEEVE,GREEN(10PACK)	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.
M12-TORQUE-SLEEVE,BLUE(10PACK)	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.
M12-TORQUE-SLEEVE,BLACK(10PACK)	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.
M12-TORQUE-SLEEVE-REMOVAL-TOOL	1 small flatbladed screw driver for removing a torque sleeve from a mated, or un-mated cordset.
DECAL,9-CLRS,RECEPT+BOXES,EURO(QTY1)	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
M12-CORDESETS-MOUNTING-CLIP-(10/BAG)	10 Pack of black mounting clips and M4x8mm mounting screws, used to secure cable to cable connection points.
LOCKNUT-PG9-BRASS-(10/BAG)	10 pack of brass locknuts for receptacles with PG9 mounting thread.
LOCKNUT-PG9-316SS-(10/BAG)	10 pack of 316SS locknuts for receptacles with PG9 mounting thread.
LOCKNUT-M20-BRASS-(10/BAG)	10 pack of brass locknuts for receptacles with M20 mounting thread.
LOCKNUT-M20-316SS-(10/BAG)	10 pack of 316SS locknuts for receptacles with M20 mounting thread.
LOCKNUT-M16-BRASS-(10/BAG)	10 pack of brass locknuts for receptacles with M16 mounting thread.
LOCKNUT-M16-316SS-(10/BAG)	10 pack of 316SS locknuts for receptacles with M16 mounting thread.
LOCKNUT-1/4NPT-BRASS-(10/BAG)	10 pack of brass locknuts for receptacles with 1/4NPT mounting thread.
LOCKNUT-1/4NPT-316SS-(10/BAG)	10 pack of 316SS locknuts for receptacles with 1/4NPT mounting thread.
LOCKNUT-1/2NPT-BRASS-(10/BAG)	10 pack of brass locknuts for receptacles with 1/2NPT mounting thread.
LOCKNUT-1/2NPT-316SS-(10/BAG)	10 pack of 316SS locknuts for receptacles with 1/2NPT mounting thread.
M12-GASKET-M20,1/2NPT-(10/BAG)	10 pack of NBR gasket for receptacles with M20 or 1/2NPT mounting threads.
M12-GASKET-PG9,M16,1/4NPT-(10/BAG)	10 pack of NBR gasket for receptacles with PG9,M16, or 1/4NPT mounting threads.
ORING-Ø7x1.5-M12-(10/BAG)	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
TORQUE-WRENCH-SET-M12-LEGACY	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.
TORQUE-WRENCH-SET-M12&M8-LEGACY	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.
TORQUE-WRENCH-SET-M12/W13	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.
WRENCH-M12AL/SIZE 13MM	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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