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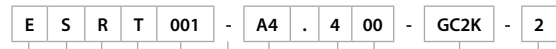
TURCK

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

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 0.34mm² conductors (TXO3700)
HUAk = black halogen free TPU with 0.34mm² 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 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	Straight	ESRT-A4.300-GC2K-*		
	Male	Right Angled	ESWT-A4.300-GC2K-*		
	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	Straight	ESRT-A4.400-GC2K-*		
	Male	Right Angled	ESWT-A4.400-GC2K-*		
	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	Straight	ESRT-A5.500-GC2K-*		
	Male	Right Angled	ESWT-A5.500-GC2K-*		
	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	 Male
	Female	Right Angled	EKWT-A4.300-GC8K-*		 Female
	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	 Male
	Female	Right Angled	EKWT-A4.400-GC8K-*		 Female
	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	 Male
	Female	Right Angled	EKWT-A5.500-GC8K-*		 Female
	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	 Male
	Female	Right Angled	EKWT-A4.300-GU8K-*		 Female
	Male	Straight	ESRT-A4.300-GU8K-*		
	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	 Male
	Female	Right Angled	EKWT-A4.400-GU8K-*		 Female
	Male	Straight	ESRT-A4.400-GU8K-*		
	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	 Male
	Female	Right Angled	EKWT-A5.500-GU8K-*		 Female
	Male	Straight	ESRT-A5.500-GU8K-*		
	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	 Male
	Female	Right Angled	EKWT-A4.300-WE2K-*		 Female
	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	 Male
	Female	Right Angled	EKWT-A4.400-WE2K-*		 Female
	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	 Male
	Female	Right Angled	EKWT-A5.500-WE2K-*		 Female
	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-*		
	Male	Straight	ESRT-A4.300-WE8K-*		 Female
	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-*		
	Male	Straight	ESRT-A4.400-WE8K-*		 Female
	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-*		
	Male	Straight	ESRT-A5.500-WE8K-*		 Female
	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 - 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 _{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: EFKVVG, ERKVVG, EFSVVG, ERSVVG).

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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