

Ethernet, (M12x1) eurofast® Cable/Cordset Selection Matrix - Cable Type 840 & 842 Only

eurofast

See pages J7 - J8 for dimensional drawings.

* Indicates length in meters.

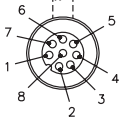
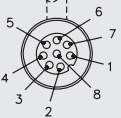
x Indicates cable type.

Refer to the Cordset Builder at www.turck.com for assistance with cordset/cable combinations.

Standard cable lengths are 1, 2, 4, 5, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSC ... to RSCV, FKFD ... to FKFDV.

For cross-over cable, add "CR" to part number RJ45 RJ45 CR 84x-*M.

<i>eurofast</i>	Pinouts	<i>eurofast</i>
Male  A circular diagram of a male eurofast connector. It has eight pins arranged in a circle. The pins are numbered 1 through 8. A dashed line connects pins 6 and 7, indicating they are a pair.	1. White/Blue 2. White/Brown 3. Brown 4. Orange 5. White/Green 6. White/Orange 7. Blue 8. Green	Female  A circular diagram of a female eurofast connector. It has eight pins arranged in a circle. The pins are numbered 1 through 8. A dashed line connects pins 6 and 7, indicating they are a pair.

Standard Pinout	RJ45 Plug	(CR) Pinout
1. White/Orange 2. Orange 3. White/Green 4. Blue 5. White/Blue 6. Green 7. White/Brown 8. Brown	Male  12345678	1. White/Green 2. Green 3. White/Orange 4. Blue 5. White/Blue 6. Orange 7. White/Brown 8. Brown

Ethernet, (M12x1) *eurofast*® Cable/Cordset Selection Matrix - Cable Type 841 & 843 Only

		eurofast					
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)	RJ45 Plug	
		1 	2 	5 	6 	7 	
		RSS	RKS	FSSDE	FKSDE	RJ45S	
 Bare		RSS 84x-*M	RKS 84x-*M	FSSDE 84x-*M	FKSDE 84x-*M	RJ45S 84x-*M	
eurofast	Pin (Male)	1  RSS	RSS RSS 84x-*M	RSS RKS 84x-*M	RSS FSSDE 84x-*M	RSS FKSDE 84x-*M	RSS RJ45S 84x-*M
	Socket (Female)	2  RKS		RKS RKS 84x-*M	RKSS FSSDE 84x-*M	RKS FKSDE 84x-*M	RKS RJ45S 84x-*M
	RJ45 Plug	7  RJ45S			RJ45S FSSDE 84x-*M	RJ45S FKSDE 84x-*M	RJ45S RJ45S 84x-*M

See pages J7 - J8 for dimensional drawings.

* Indicates length in meters.

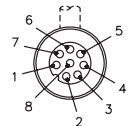
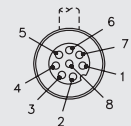
x Indicates cable type.

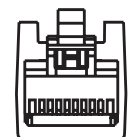
Refer to the Cordset Builder at www.turck.com for assistance with cordset/cable combinations.

Standard cable lengths are 1, 2, 4, 5, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSS ... to RSSV, FKSDE ... to FKSDEV.

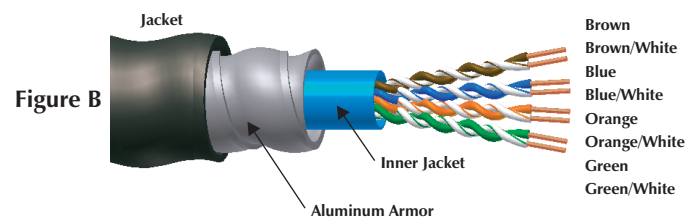
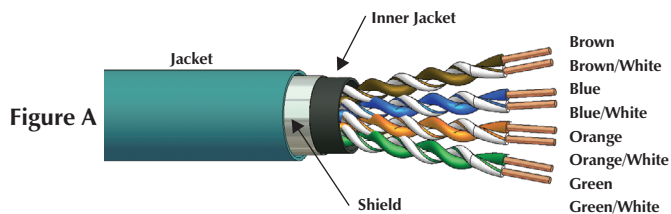
For cross-over cable, add "CR" to part number RJ45S RJ45S CR 84x-*M.

<i>eurofast</i>	Pinouts	<i>eurofast</i>
Male 	1. White/Blue 2. White/Brown 3. Brown 4. Orange 5. White/Green 6. White/Orange 7. Blue 8. Green	Female 

Standard Pinout	RJ45 Plug	(CR) Pinout
1. White/Orange 2. Orange 3. White/Green 4. Blue 5. White/Blue 6. Green 7. White/Brown 8. Brown	Male  12345678	1. White/Green 2. Green 3. White/Orange 4. Blue 5. White/Blue 6. Orange 7. White/Brown 8. Brown

Ethernet, Cable Specifications, 8-wire

- Cable that Meets the Requirements of TIA/EIA568-B.2 Category 5e Cable for 10 and 100 Base-T Ethernet
- Cable is UL Rated for Sunlight and Oil Resistant



Maximum 100 meters of cable of which:

- 90 meters Horizontal Cable (SOLID - 842 or 843)
- 2 x 5 meters Patch Cables (STRANDED - 840 or 841)
- Direct Connect 30 M STRANDED

Type	Approvals	Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.	Type		
840 75°C 300 Volts	NEC CMR (ETL) CEC C (ETL)	8/24 AWG Stranded	28.6 Ohms PE	PVC Teal 6.5 mm (.256 in)	None	RB50856-*M 39 lbs. <i>flexlife</i> ® ++	A
841 75°C 300 Volts	NEC CMR (ETL) CEC C (ETL)	8/24 AWG Stranded	28.6 Ohms PE	PVC Teal 7.3 mm (.286 in)	Foil/Braid	RB50893-*M 50 lbs. <i>flexlife</i> ++	A
842 75°C 100 Volts	NEC CMR (ETL) CEC C (ETL)	8/24 AWG Solid	28.6 Ohms PE	PVC Teal 5.9 mm (.231 in)	None	RB50857-*M 39 lbs. <i>flexlife</i> +	A
843 75°C 300 Volts	NEC CMR (ETL) CEC C (ETL)	8/24 AWG Solid	28.6 Ohms PE	PVC Teal 7.3 mm (.286 in)	Foil/Braid	RB50894-*M 50 lbs. <i>flexlife</i> +	A
845 50°C 125 Volts	TSB-36 ISO/IEC 11801	8/26 AWG Stranded	37.3 Ohms PE	PUR Teal 6.3 mm (.248 in)	Foil/Braid	RB51305-*M 54 lbs. <i>flexlife</i> +++ Halogen Free	A
849A AWM 444 80°C 300 Volts	NEC CMG CEC HL CMG	8/24 AWG Solid	28.6 Ohms PO	PVC Black 15.3 mm (.530 in)	Foil/Braid Armor	RB51100-*M 159 lbs. <i>armorfast</i> ®	B

* Indicates length in meters.

Standard cable lengths are 1, 2, 4, 5, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

+ 85 thousand cycles on c-track flexing machine at 1.5" bend radius.

++ 4 million cycles on c-track flexing machine at 1.5" bend radius.

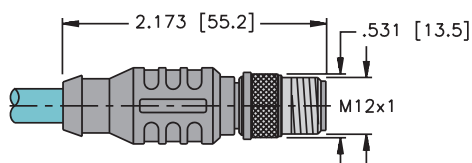
+++ 2 million cycles on c-track flexing machine at 1.5" bend radius.

Ethernet, eurofast® Cordset Connector Dimensions / Configuration

Specifications

Housing:	PUR (Polyurethane)
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU (Polyurethane) or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	60 V
Rated Current:	2 A
Ambient Temperature:	0° to +75°C (-22° to +167°F)

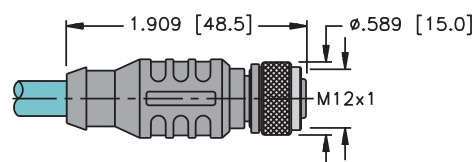
1



RSC/RSS ..

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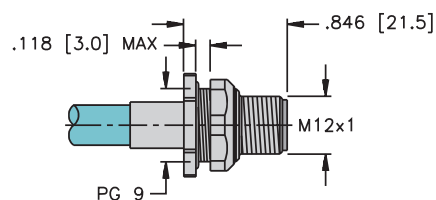
2



RKC/RKS ..

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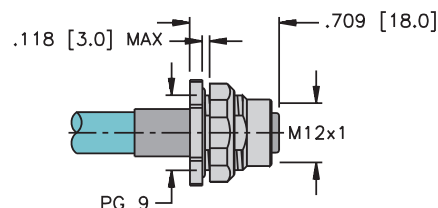
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FSFD ..

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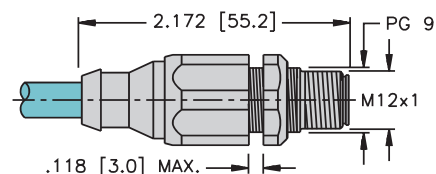
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FKFD ..

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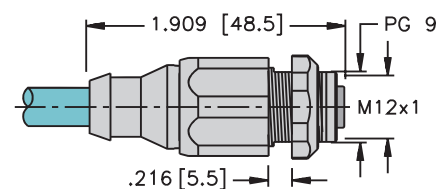
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FSSDE ..

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6



FKSDE ..

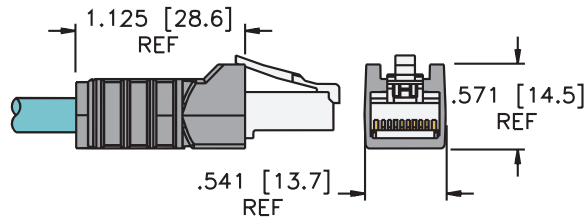
Pages J5 - J6

Ethernet, RJ45 Connector Dimensions / Configuration

Specifications

Housing:	Polyolefin
Protection:	NEMA 1 and IEC IP 20
Rated Voltage:	42 V
Rated Current:	1.5 A
Ambient Temperature:	0° to +80°C (-22° to +176°F)

7



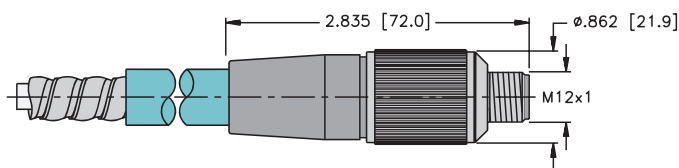
RJ45/RJ45S ..

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Ethernet Media

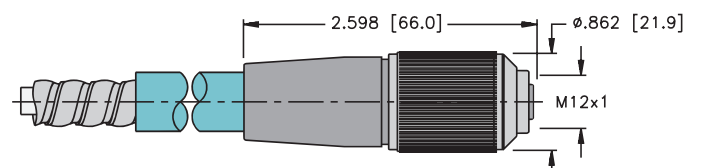
Specifications

Housing:	PUR (Polyurethane)
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU (Polyurethane) or POM (Nylon)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	60 V
Rated Current:	2 A
Ambient Temperature:	-40° to +75°C (-22° to +167°F)



RSA ..

(armorfast® only)



RKA ..

(armorfast only)