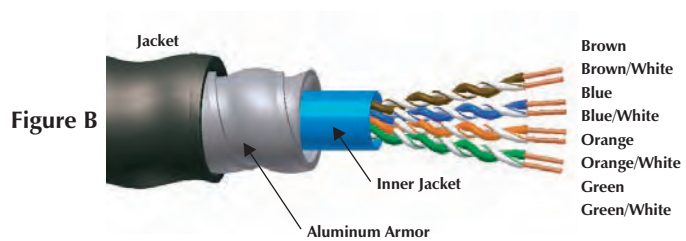
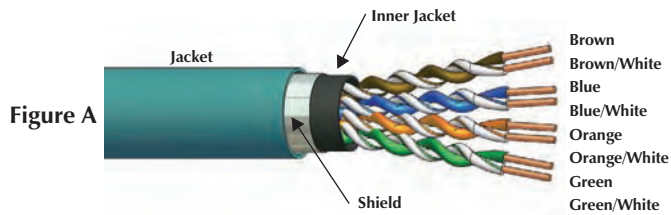


Ethernet, Cable Specifications, 8-wire

- 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.

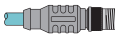
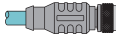
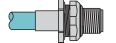
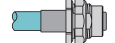



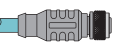

Standard cable lengths are 1, 2, 4, 5, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

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

		<i>eurofast</i>					
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)	RJ45 Plug	
		1  RSC	2  RKC	3  FSFD	4  FKFD	7  RJ45	
 Bare		RSC 84x-*M	RKC 84x-*M	FSFD 84x-*M	FKFD 84x-*M	RJ45 84x-*M	
<i>eurofast</i>	Pin (Male)	1  RSC	RSC RSC 84x-*M	RSC RKC 84x-*M	RSC FSFD 84x-*M	RSC FKFD 84x-*M	RSC RJ45 84x-*M
	Socket (Female)	2  RKC		RKC RKC 84x-*M	RKC FSFD 84x-*M	RKC FKFD 84x-*M	RKC RJ45 84x-*M
	RJ45 Plug	7  RJ45			RJ45 FSFD 84x-*M	RJ45 FKFD 84x-*M	RJ45 RJ45 84x-*M

See pages J7 - J8 for dimensional drawings.

* Indicates length in meters.

x Indicates cable type.

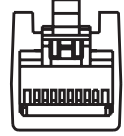
Refer to the Cordset Builder at TURCK website for assistance with cordset/cable combinations.

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

		<i>euofast</i>				
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)	RJ45 Plug
		1  RSS	2  RKS	5  FSSDE	6  FKSDE	7  RJ45S
 Bare		RSS 84x-*M	RKS 84x-*M	FSSDE 84x-*M	FKSDE 84x-*M	RJ45S 84x-*M
<i>euofast</i>	Pin (Male)	1  RSS RSS RSS 84x-*M	RKS 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

Ethernet Media

See pages J7 - J8 for dimensional drawings.

* Indicates length in meters.

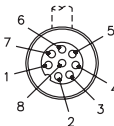
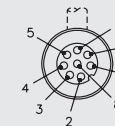
x Indicates cable type.

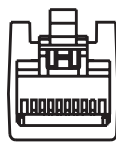
Refer to the Cordset Builder at TURCK website for assistance with cordset/cable combinations.

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

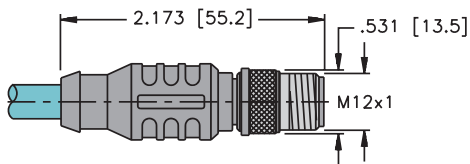
Standard Pinout	RJ45 Plug	(CR) Pinout
1. White/Orange 2. Orange 3. White/Green 4. Blue 5. White/Blue 6. Green 7. White/Brown 8. Brown	<p>Male</p>  12345678	1. White/Green 2. Green 3. White/Orange 4. Blue 5. White/Blue 6. Orange 7. White/Brown 8. Brown

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)

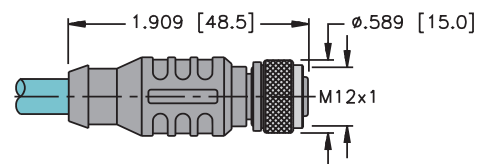
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RSC/RSS ..

Pages J5 - J6

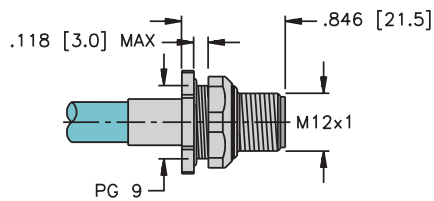
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RKC/RKS ..

Pages J5 - J6

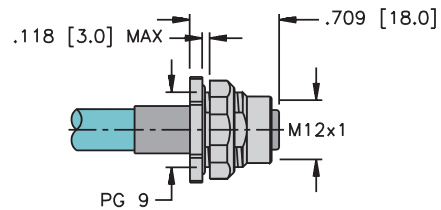
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FSFD ..

Pages J5 - J6

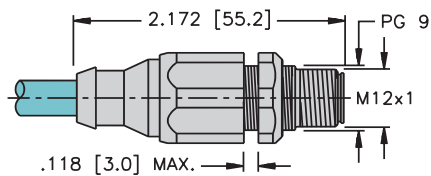
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FKFD ..

Pages J5 - J6

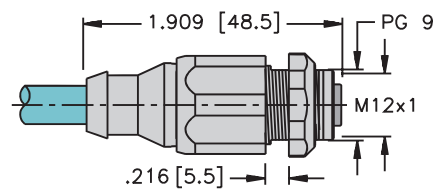
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FSSDE ..

Pages J5 - J6

6



FKSDE ..

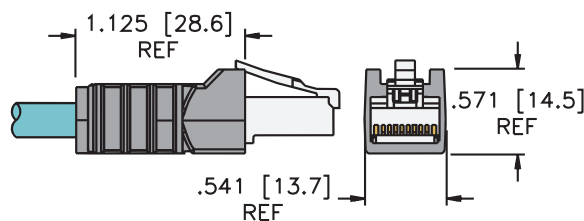
Pages J5 - J6

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



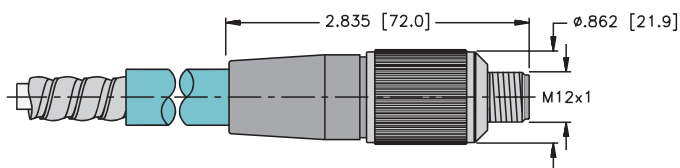
RJ45/RJ45S ..

Page J5 - J6

Ethernet Media

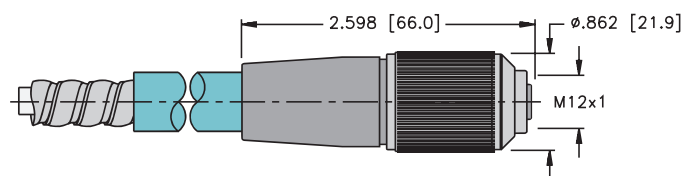
Specifications

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)

Ethernet, Economy RJ45 to RJ45 Cordsets

- For "In the Panel" Applications Where Industrial Cordsets are not Needed
- Available on Yellow, 3 FT and 7 FT Lengths Only

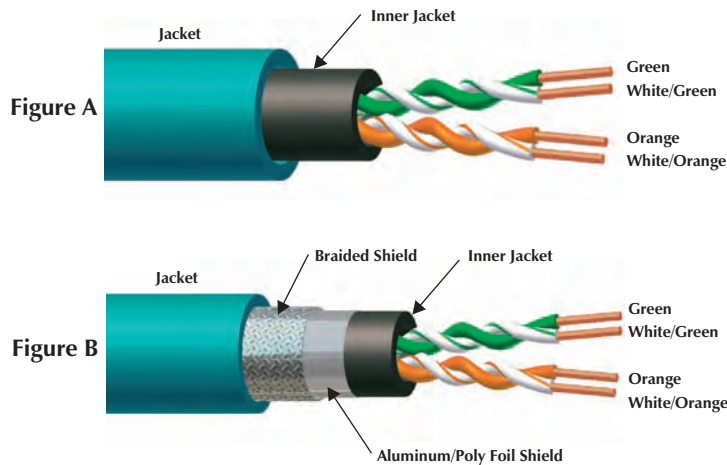


	Part Number	Application	Pinout
	RJ45 RJ45 840-3FT/ECON	<ul style="list-style-type: none"> • Ethernet patch cordsets for panel connections • Economy, non industrial 	Male 12345678
	RJ45 RJ45 840-7FT/ECON		

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

Ethernet, Cable Specifications, 4-wire

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



Maximum 100 meters of cable of which:

- 90 meters Horizontal Cable (SOLID - 442 or 443)
- 2 x 5 meters Patch Cables (STRANDED - 440 or 441)

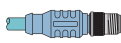
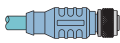

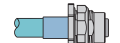

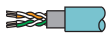
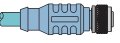

Type	Approvals	Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.	Type		
440 75°C 300 Volts	NEC CMR CEC C(UL) CMR	4/24 AWG Stranded	28.6 Ohms PO	PVC Teal 6.9 mm (.270 in)	None	RB51210-*M 29 lbs.	A
441 75°C 300 Volts	NEC CMR CEC C(UL) CMR	4/24 AWG Stranded	28.6 Ohms PO	PVC Teal 7.2 mm (.285 in)	Foil/Braid	RB51211-*M 44 lbs.	B
442 75°C 100 Volts	NEC CMR CEC C(UL) CMR	4/24 AWG Solid	28.6 Ohms PO	PVC Teal 6.4 mm (.250 in)	None	RB51212-*M 27 lbs.	A
443 75°C 300 Volts	NEC CMR CEC C(UL) CMR	4/24 AWG Solid	28.6 Ohms PO	PVC Teal 7.1 mm (.280 in)	Foil/Braid	RB51213-*M 49 lbs.	B
4410 50°C 124 Volts	TSB-36 ISO/IEC 11801	4/26 AWG Stranded	37.3 Ohms PE	PUR Teal 6.1 mm (.240 in)	Foil/Braid	RB51306-*M 48 lbs. <i>flexlife</i> ^{®†} Halogen Free	A

* 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.

† 2.5 million flex motions at 12.5x cable diameter bend radius.

Ethernet, (M12x1) *euofast*® Cables and Extensions - Cable Type 440 & 442 D-coded

		<i>euofast</i>					
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)	RJ45 Plug	
		8  RSCD	9  RKCD	12  FSFDD	13  FKFDD	14  RJ45	
 Bare		RSCD 44x-*M	RKCD 44x-*M	FSFDD 44x-*M	FKFDD 44x-*M	RJ45 44x-*M	
<i>euofast</i>	Pin (Male)	8  RSCD	RSCD RSCD 44x-*M	RSCD RKCD 44x-*M	RSCD FSFDD 44x-*M	RSCD FKFDD 44x-*M	RSCD RJ45 44x-*M
	Socket (Female)	9  RKCD		RKCD RKCD 44x-*M	RKCD FSFDD 44x-*M	RKCD FKFDD 44x-*M	RKCD RJ45 44x-*M
	RJ45 Plug	14  RJ45			RJ45 FSFDD 44x-*M	RJ45 FKFDD 44x-*M	RJ45 RJ45 44x-*M

Ethernet Media

See pages J22 - J23 for dimensional drawings.

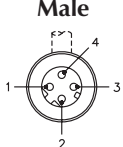
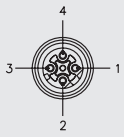
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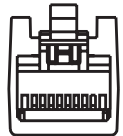
x Indicates cable type.

Refer to the Cordset Builder at TURCK website for assistance with cordset/cable combinations.

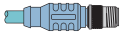


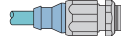


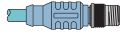
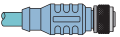

Standard cable lengths are 1, 2, 4, 5, 6, 8, 10, 15, and in +5 meter increments from there. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSCD ... RSCDV, FSFDED ... FSFDEDV.

<i>euofast</i>	Pinouts	<i>euofast</i>
Male 	1. White/Orange (+ tx) 2. White/Green (+rx) 3. Orange (-tx) 4. Green (-rx)	Female 

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

Ethernet, (M12x1) *euofast*® Cables and Extensions - Cable Type 441 & 443 D-coded

		<i>euofast</i>				
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)	RJ45 Plug
		8  RSSD	9  RKSD	10  FSSDED	11  FKSDED	14  RJ45S
 Bare		RSSD 44x-*M	RKSD 44x-*M	FSSDED 44x-*M	FKSDED 44x-*M	RJ45S 44x-*M
<i>euofast</i>	Pin (Male) 8  RSSD	RSSD RSSD 44x-*M	RSSD RKSD 44x-*M	RSSD FSSDED 44x-*M	RSSD FKSDED 44x-*M	RSSD RJ45S 44x-*M
	Socket (Female) 9  RKSD		RKSD RKSD 44x-*M	RKSD FSSDED 44x-*M	RKSD FKSDED 44x-*M	RKSD RJ45S 44x-*M
	RJ45 Plug 14  RJ45S			RJ45S FSSDED 44x-*M	RJ45S FKSDED 44x-*M	RJ45S RJ45S 44x-*M

See pages J22 - J23 for dimensional drawings.

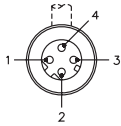
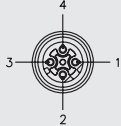
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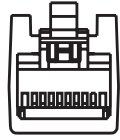
x Indicates cable type.

Refer to the Cordset Builder at TURCK website 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 RSSD ... RSSDV, FSSDED ... FSSDEDV.

<i>euofast</i>	Pinouts	<i>euofast</i>
Male 	1. White/Orange (+ tx) 2. White/Green (+rx) 3. Orange (-tx) 4. Green (-rx)	Female 

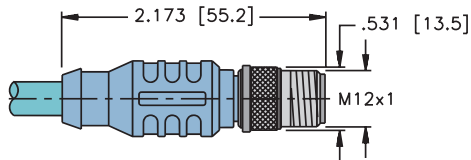
RJ45 Pinout	RJ45 Plug	RJ45 (CR) Pinout
1. White/Orange 2. Orange 3. White/Green 4. N/C 5. N/C 6. Green 7. N/C 8. N/C	Male  12345678	1. White/Green 2. Green 3. White/Orange 4. N/C 5. N/C 6. Orange 7. N/C 8. N/C

Ethernet, *euofast*® Cordset Connector Dimensions / Configuration

Specifications

Housing:	TPU (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:	250 V
Rated Current:	4 A
Ambient Temperature:	0° to +75°C (-22° to +167°F)

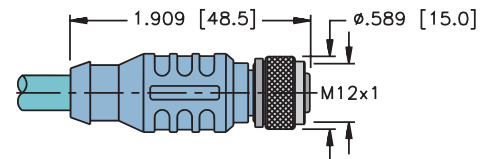
8



RSCD/RSSD ..

Pages J20 - J21

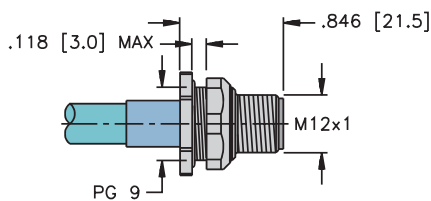
9



RKCD/RKSD ..

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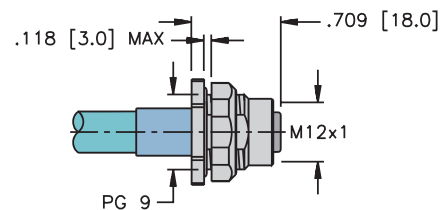
10



FSFDD ..

Pages J20 - J21

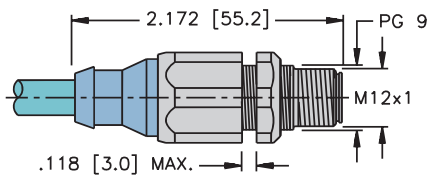
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FKFDD ..

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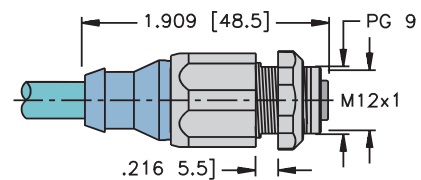
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FSSDED ..

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13



FKSDED ..

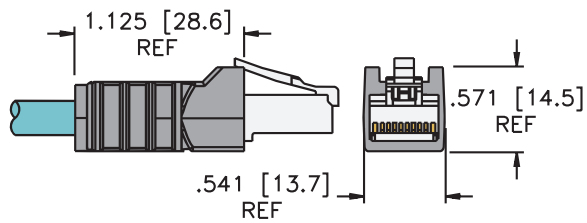
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Ethernet, RJ45 Connector Dimensions / Configuration

Specifications

Housing:	Polyolefin
Protection:	NEMA 1, 3, 4, 6P and IEC IP 20
Rated Voltage:	42 V
Rated Current:	1.5 A
Ambient Temperature:	-25° to +80°C (-22° to +176°F)

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RJ45/RJ45S ..

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