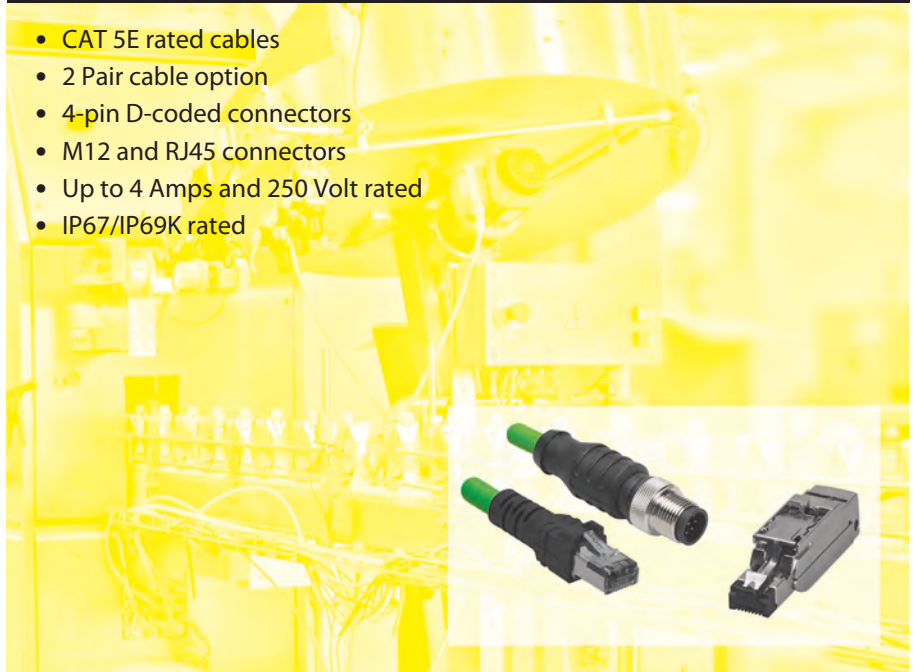

Part Number Key	L2
Cable Specifications	L3
Cordsets	L4
Receptacles	L10
Field Wireables	L11

Features

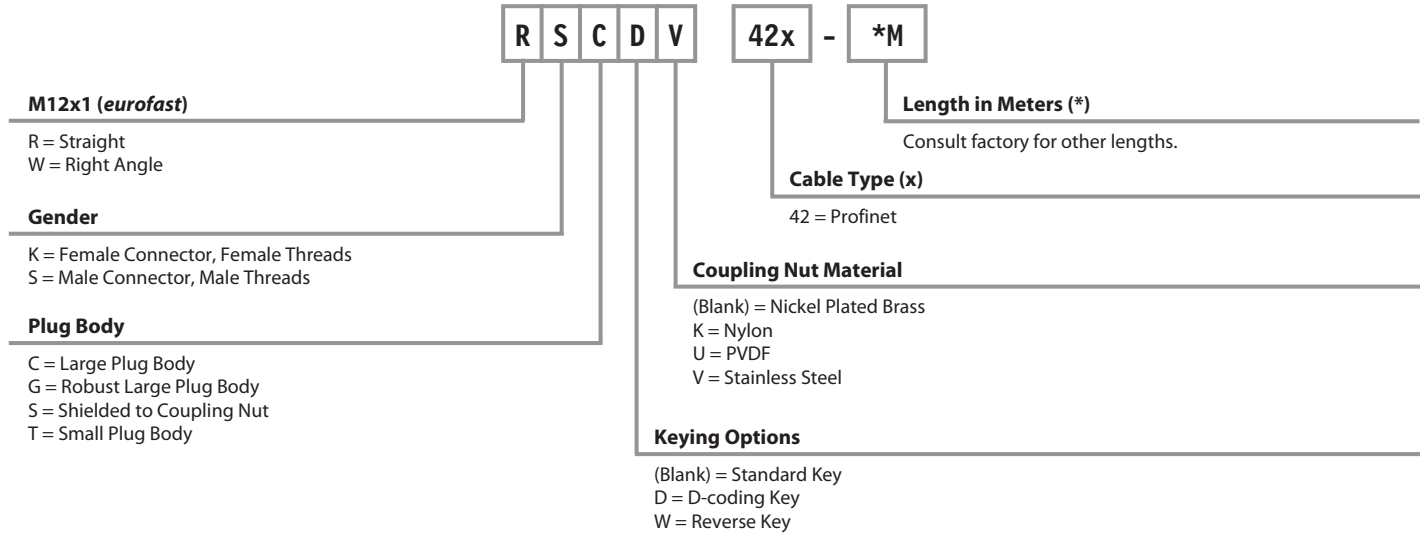
- CAT 5E rated cables
- 2 Pair cable option
- 4-pin D-coded connectors
- M12 and RJ45 connectors
- Up to 4 Amps and 250 Volt rated
- IP67/IP69K rated



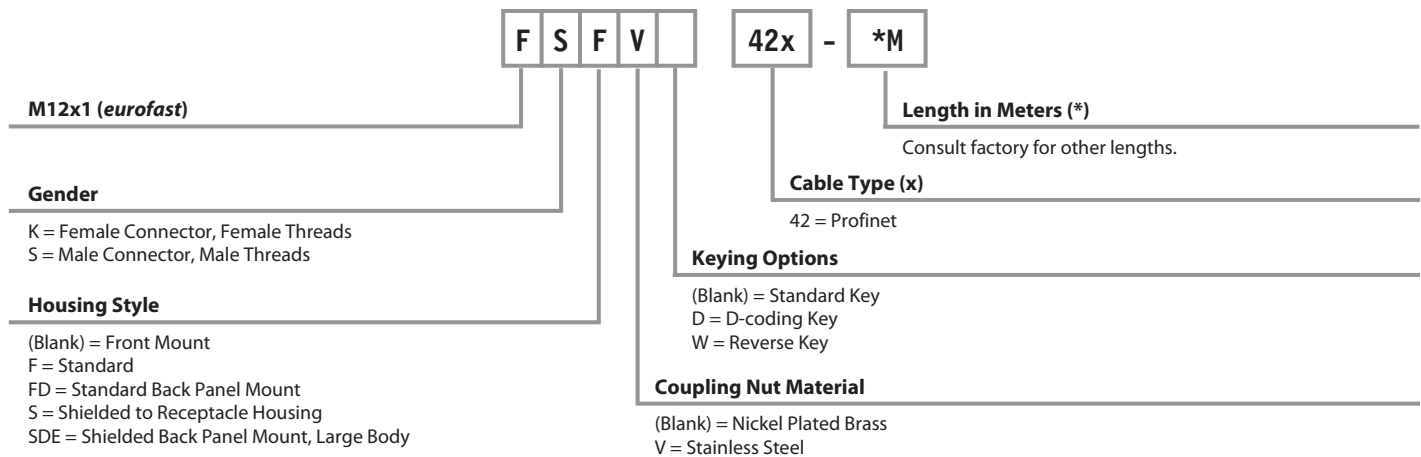
TURCK PROFINET Physical Media Connectivity

euofast® Cordset Part Number Key

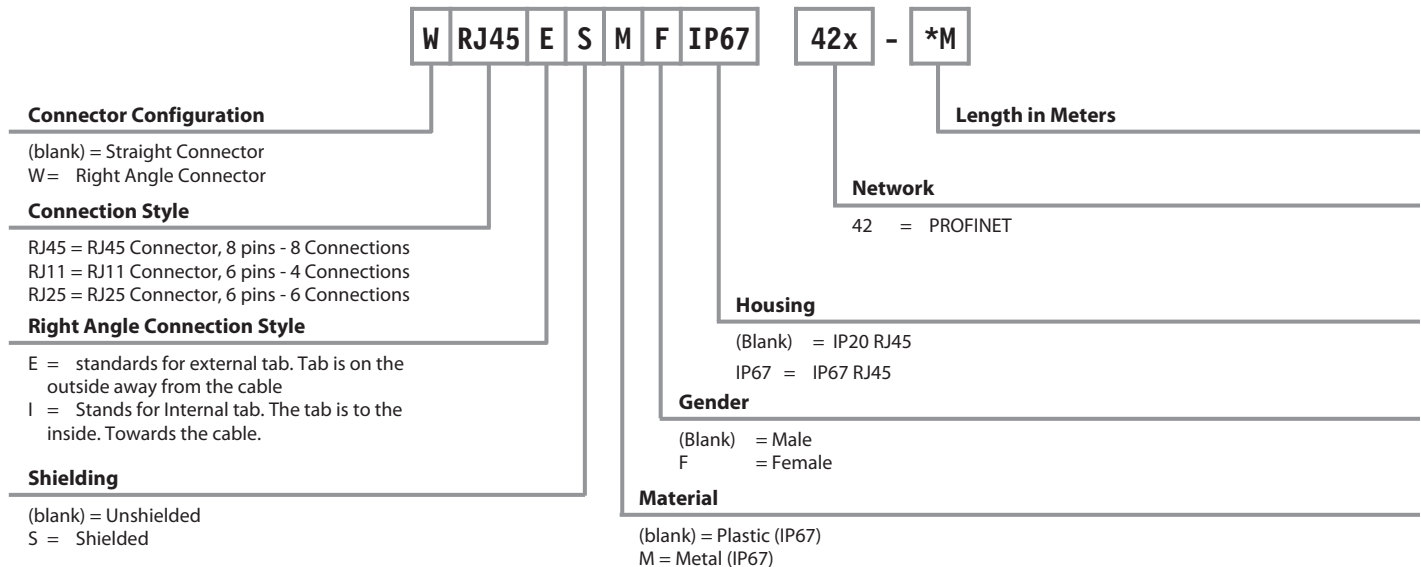
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.



euofast Receptacle Part Number Key

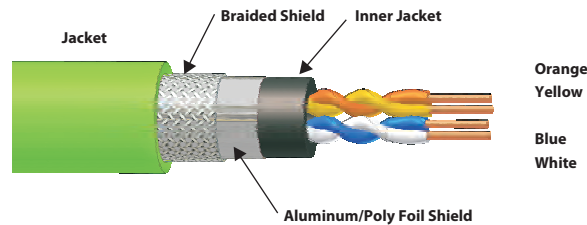


RJ Network Cordsets Part Number Key



PROFINET, Cable Specifications, 4-wire

- Compliant with PROFINET Cable Standards
- Cable is UL Rated for Sunlight and Oil Resistant



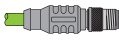
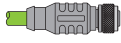






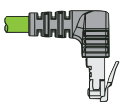
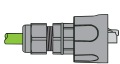

Type	Approvals	Data Pair		Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M
		AWG Color Code	DCR (/1000 feet) Insulation	Material Color Nominal O.D.	Type	
420 60°C, 300 V	NEC CMR (ETL) CEC C (ETL)	4/22 AWG Stranded	13.8 Ohm	PVC Green/Yellow 7.7 mm	Foil/Braid	RB51603-*M
421 60°C, 300 V	NEC CMR (ETL) CEC C (ETL)	4/22 AWG Solid	16.2 Ohm	PVC Green/Yellow 8.2 mm	Foil/Braid	RB51604*M
423 70°C, 600 V	IEC 60332-1 DIN EN 60811-2-1	4/22 AWG Stranded		TPU Green/Yellow 6.5 mm	Foil/Braid	RB51216-*M <i>flexlife</i> †

* Indicates length
Standard spool lengths are 30, 75, 100, 150, 200, 225, 300 meters. Consult factory for other lengths.
† 3 million flex motions at 7.5x cable diameter bend radius.

PROFINET Media

TURCK PROFINET Physical Media Connectivity

PROFINET, (M12x1) eurofast[®], RJ45, Cables and Extensions - Unshielded D-coded

		eurofast				
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)	
		1  RSCD	2  RKCD	3  FSFDD	4  FKFDD	
		 bare	RSCD 42x-*M	RKCD 42x-*M	FSFDD 42x-*M	FKFDD 42x-*M
eurofast	Pin (Male)	1  RSCD	RSCD RSCD 42x-*M	RSCD RKCD 42x-*M	RSCD FSFDD 42x-*M	RSCD FKFDD 42x-*M
	Socket (Female)	2  RKCD		RKCD RKCD 42x-*M	RKCD FSFDD 42x-*M	RKCD FKFDD 42x-*M
	RJ45 Plug	7  RJ45			RJ45 FSFDD 42x-*M	RJ45 FKFDD 42x-*M
	WRJ45 Plug	8  WRJ45E			WRJ45E FSFDD 42x-*M	WRJ45E FKFDD 42x-*M
	RJ45M IP67 Plug	9  RJ45MIP67			RJ45MIP67 FSFDD 42x-*M	RJ45MIP67 FKFDD 42x-*M
	RJ45 IP67 Plug	10  RJ45IP67			RJ45IP67 FSFDD 42x-*M	RJ45IP67 FKFDD 42x-*M

See pages L8 - L9 for dimensional drawings.

* Indicates length in meters.


x Indicates cable type.

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


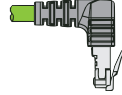



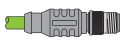
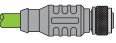

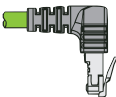
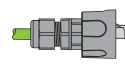

For stainless steel coupling nuts change part number RSCD ... RSCDV, FSFDED ... FSFDEDV.

For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

eurofast	Pinouts	eurofast
Male	1. Yellow (+ tx) 2. White (+rx) 3. Orange (-tx) 4. Blue (-rx)	Female

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

PROFINET, (M12x1) eurofast®, RJ45, Cables and Extensions - Unshielded D-coded


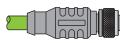
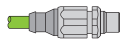
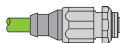

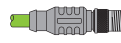
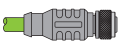



		eurofast				
		Pin (Male)		Socket (Female)	RJ45 Plug	
		7  RJ45	8  WRJ45E	9  RJ45MIP67	10  RJ45IP67	
 Bare		RJ45 42x-*M	WRJ45E 42x-*M	RJ45MIP67 42x-*M	RJ45IP67 42x-*M	
eurofast	Pin (Male)	5  RSCD	RSCD RJ45 42x-*M	RSCD WRJ45E 42x-*M	RSCD RJ45MIP67 42x-*M	RSCD RJ45IP67 42x-*M
	Socket (Female)	6  RKCD	RKCD RJ45 42x-*M	RKCD WRJ45E 42x-*M	RKCD RJ45MIP67 42x-*M	RKCD RJ45IP67 42x-*M
	RJ45 Plug	7  RJ45	RJ45 RJ45 42x-*M		RJ45 RJ45MIP67 42x-*M	RJ45RJ45IP67 42x-*M
	WRJ45 Plug	8  WRJ45E	WRJ45E RJ45 42x-*M	WRJ45E WRJ45E 42x-*M	WRJ45E RJ45MIP67 42x-*M	WRJ45E RJ45IP67 42x-*M
	RJ45M IP67 Plug	9  RJ45MIP67	RJ45MIP67 RJ45 42x-*M	RJ45MIP67 WRJ45E 42x-*M	RJ45MIP67 RJ45MIP67 42x-*M	RJ45MIP67 RJ45IP67 42x-*M
	RJ45 IP67 Plug	10  RJ45IP67	RJ45IP67 RJ45 42x-*M	RJ45IP67 WRJ45E 42x-*M	RJ45IP67 RJ45MIP67 42x-*M	RJ45IP67 RJ45IP67 42x-*M

See pages L8 - L9 for dimensional drawings.

- * Indicates length in meters.
- x Indicates cable type.
Standard cable lengths are 1, 2, 4, 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.
For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

TURCK PROFINET Physical Media Connectivity

PROFINET, (M12x1) eurofast®, RJ45, Cables and Extensions - Shielded Cable D-coded

		eurofast			
		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
		1  RSSD	2  RKSD	5  FSSDED	6  FKSDED
 Bare		RSSD 42x-*M	RKSD 42x-*M	FSSDED 42x-*M	FKSDED 42x-*M
eurofast	1  RSSD	RSSD RSSD 42x-*M	RSSD RKSD 42x-*M	RSSD FSSDED 42x-*M	RSSD FKSDED 42x-*M
	2  RKSD		RKSD RKSD 42x-*M	RKSD FSSDED 42x-*M	RKSD FKSDED 42x-*M
	7  RJ45S			RJ45S FSSDED 42x-*M	RJ45S FKSDED 42x-*M
	8  WRJ45ES			WRJ45ES FSSDED 42x-*M	WRJ45ES FKSDED 42x-*M
	9  RJ45SMIP67			RJ45SMIP67 FSSDED 42x-*M	RJ45SMIP67 FKSDED 42x-*M

See pages L8 - L9 for dimensional drawings.

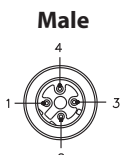
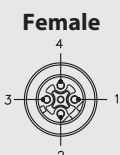
* Indicates length in meters.

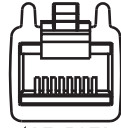
x Indicates cable type.

Standard cable lengths are 1, 2, 4, 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 ... RSSD_V, FSSDED ... FSSDED_V.

For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

eurofast	Pinouts	eurofast
Male 	1. Yellow (+ tx) 2. White (+rx) 3. Orange (-tx) 4. Blue (-rx)	Female 

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

		eurofast			
		RJ45 Plug	WRJ45 Plug	RJ45 IP67 Plug	
		7 RJ45S	8 WRJ45ES	9 RJ45SMIP67	
		 bare	RJ45S 42x-*M	WRJ45ES 42x-*M	RJ45SMIP67 42x-*M
eurofast	Pin (Male)	1 RSSD	RSSD RJ45S 42x-*M	RSSD WRJ45ES 42x-*M	RSSD RJ45SMIP67 42x-*M
	Socket (Female)	2 RKSD	RKSD RJ45S 42x-*M	RKSD WRJ45ES 42x-*M	RKSD RJ45SMIP67 42x-*M
	RJ45 Plug	7 RJ45S	RJ45S RJ45S 42x-*M		RJ45S RJ45SMIP67 42x-*M
	WRJ45 Plug	8 WRJ45ES	WRJ45ES RJ45S 42x-*M	WRJ45ES WRJ45ES 42x-*M	WRJ45ES RJ45SMIP67 42x-*M
		9 RJ45SMIP67	RJ45SMIP67 RJ45S 42x-*M	RJ45SMIP67 WRJ45ES 42x-*M	RJ45SMIP67 RJ45SMIP67 42x-*M

See pages L8 - L9 for dimensional drawings.

* Indicates length in meters.

x Indicates cable type.

Standard cable lengths are 1, 2, 4, 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.

For right angle RJ45, select WRJ45I for internal tab or WRJ45E for external tab.

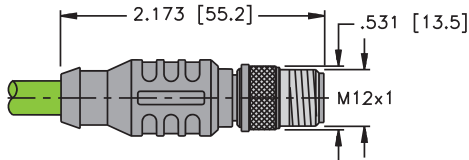
eurofast	Pinouts	eurofast
Male 	1. Yellow (+ tx) 2. White (+rx) 3. Orange (-tx) 4. Blue (-rx)	Female

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

Specifications

Overmold:	TPU
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:	-40° to +70°C (32° to +167°F)

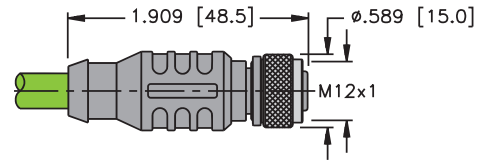
1



RSCD/RSSD ..

Page L4

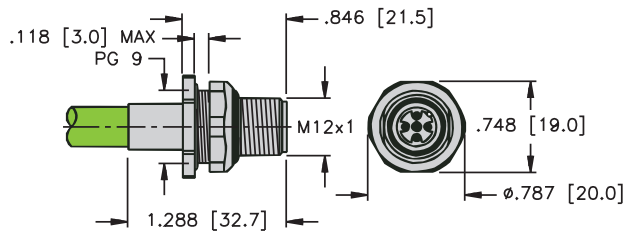
2



RKCD/RKSD ..

Page L4

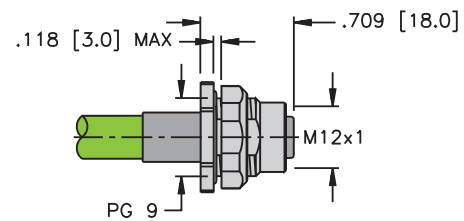
3



FSFDD ..

Page L4

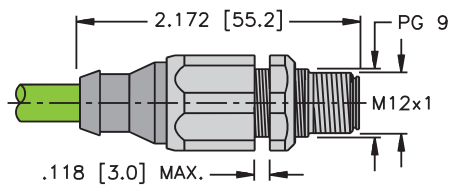
4



FKFDD ..

Page L4

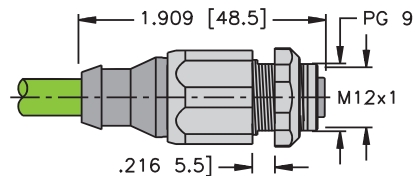
5



FSSDED ..

Page L5

6



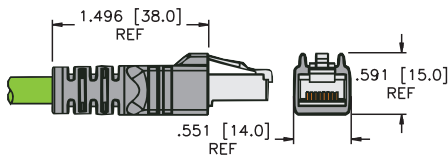
FKSDDED ..

Page L5

Specifications

Overmold:	TPU
Plug Material:	Polycarbonate
Protection:	NEMA 1, 3, 4, 6P and IEC IP 20
Rated Voltage:	42 V
Rated Current:	1.5 A
Ambient Temperature:	-25° to +70°C (-22° to +176°F)

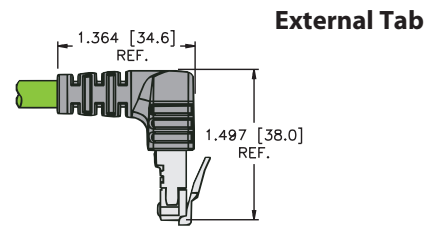
7



RJ45/RJ45S ..

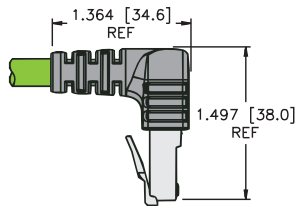
Page L4

8



WRJ45E/WRJ45ES ..

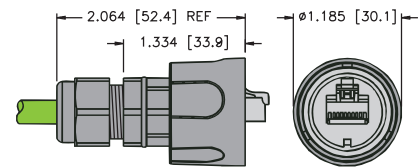
Page L4



WRJ45I/WRJ45IS ..

Internal tab version

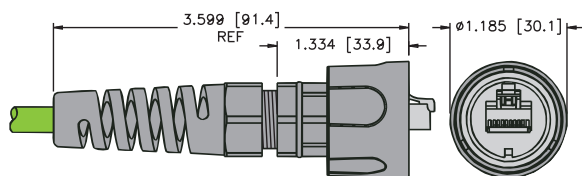
9



RJ45MIP67/RJ45SMIP67 ..

Page L4

10



RJ45IP67 ..

Page L4

TURCK PROFINET Physical Media Connectivity

PROFINET, Receptacle

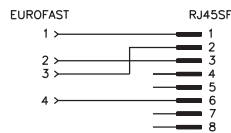
- Transitions from a RJ45 Connector to a 4-wire *eurofast*® Connector



Housing Style	Part Number	Features
	FKSDD RJ45SF 44	Polyurethane, TPU Overmold, 42 V, 1.5 A, -40° to +75°C

Panel mounting clearance hole 19/32" (15 mm). Panel thickness: .060-.120" (1.5-3 mm)

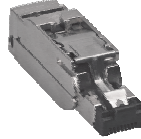
Wiring Diagram



RJ45 Receptacle	Pinouts	<i>eurofast</i> Female
Female	1. Yellow (+TX) 2. Orange (-TX) 3. White (+RX) 4. N/C 5. N/C 6. Blue (-RX) 7. N/C 8. N/C	

PROFINET, RJ45 Field Wireable

- Allows for Quick Connections in the Field
- Fully Shielded
- Includes Assembly Instructions



Housing	Part Number	Features	Pinout
	Connector, RJ45S 42 IDC	22-27 AWG stranded, 22-24 AWG solid, -40° to +85°C	Male

RJ45 Plug	Pinout
Male 	1. Yellow (+TX) 2. Orange (-TX) 3. White (+RX) 4. N/C 5. N/C 6. Blue (-RX) 7. N/C 8. N/C

TURCK PROFINET Physical Media Connectivity

PROFINET, 4-Pin D-coded Field Wireables

- Allows for Quick Connections when Pre-Molded Cables are not Available
- Available in Male, Straight and Right Angle Connector Configurations



Housing Style	Female Part Number	Male Part Number	Features	Pinouts
<p>CMBD 81..</p>	CMBD 8141-0/PG9	CMBSD 8141-0/PG9	4 A, 250 V, -40 to +85°C, mates with female 4-pin D-coded eurofast cordsets and receptacles	<p>Female</p>
<p>CMBSD 81..</p>				
<p>CMBD 82..</p>	CMBD 8241-0/PG9	CMBSD 8241-0/PG9		<p>Male</p>
<p>CMBSD 82..</p>				