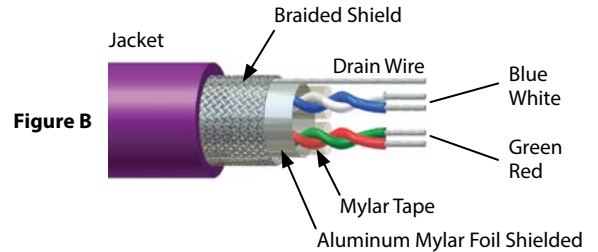
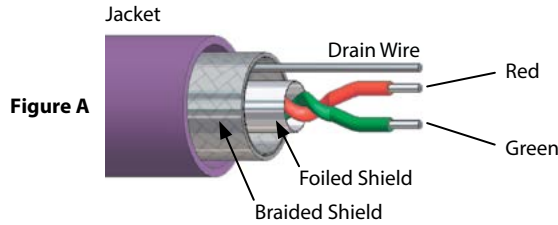


PROFIBUS-DP, Cable Specifications

- Cable that meets the requirements of EN50170-2-2:1996 for communications up to 12 Mbaud



Baud Rate (k baud)	9.6	19.2	93.75	187.5	500	1500	1200
Maximum Trunk Length	1200 meters	1200 meters	1200 meters	1000 meters	400 meters	200 meters	100 meters

Type	Approvals	Data Pair		2nd Data Pair		Outer Jacket Material Color Nominal O.D.	Shields Type Drain Wire	Bulk Cable Part Number / Weight/300 M
		AWG Color Code	Characteristic Impedance @ 1 MHz/Insulation	AWG Color Code	Characteristic Impedance @ 1 MHz/Insulation			
455 80 °C 300 V	UL PLTC-ER DB CSA CMX-OUTDOOR-CMG AWM I/II A/B, FT 4	2X22 AWG RD/GN	150 Ohms HDPE	None	n/a	PVC, VIOLET, 8.5 mm (.335 in)	Foil/braid, 22 AWG	RB50672-*M, 63 lbs.
456 80 °C 300 V	UL recognized AWM CSA AWM I/II A/B, FT 1	2X22 AWG RD/GN	150 Ohms HDPE	None	n/a	TPU, VIOLET, 7.9 mm (.310 in)	Foil/braid, 22 AWG	RB50683-*M, 45 lbs.
457 80 °C 600 V	UL recognized AWM VW-1	2X22 AWG RD/GN Solid	150 Ohms HDPE	None	n/a	TPU, VIOLET, 7.8 mm (.305 in)	Foil/braid	RB50708-*M, 39 lbs.
458 80 °C 300 V	UL recognized AWM CSA AWM I/II A/B, FT 1	2X22 AWG RD/GN	150 Ohms HDPE	None	n/a	TPU, PLUM, 8.5 mm (.335 in)	Foil/braid, 22 AWG	RB50692-*M, 52 lbs. Flexlife®
4511 80 °C 300 V	UL PLTC CSA CMX-OUTDOOR-CMG AWM I/II A/B, FT 4	2X22 AWG RD/GN	150 Ohms HDPE	None	n/a	PVC, VIOLET, 8.5 mm (.335 in)	Foil/braid, 22 AWG	RB50881-*M, 58 lbs. Flexlife
4515 80 °C 600 V	IEC-60332-3 IEC-60754-1 EN 50267-2-2	2X22 AWG RD/GN	150 Ohms HDPE	None	n/a	TPU, VIOLET, 7.9 mm (.310 in) Halogen-free	Foil/braid, 22 AWG	RB51225-*M, 41 lbs.
590 80 °C 300 V	UL recognized AWM CSA AWM I/II A/B, FT 1	2X22 AWG RD/GN	150 Ohms HDPE	2X22 AWG BU/WT	150 Ohms HDPE	PVC, VIOLET, 8.4 mm (.330 in)	Foil/braid, 22 AWG	RB51057-*M, 52 lbs.

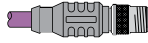
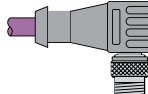
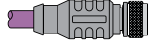
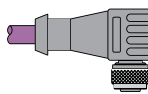
* Indicates length in meters.
Standard spool lengths are 30, 75, 100, 150, 200, 225, 300 meters. Consult factory for other lengths.

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

PROFIBUS®-DP Connectivity

PROFIBUS® –DP Physical Media Connectivity

PROFIBUS-DP, (M12x1) Eurofast® Cable and Cordset Selection Matrix

		Eurofast (Male)		Eurofast (Female)	
		 1 RSSW	 2 WSSW	 3 RKSX	 4 WKSX
Bare		RSSW 45x-*M	WSSW 45x-*M	RKSX 45x-*M	WKSX 45x-*M
Eurofast (Male)	1 RSSW	RSSW RSSW 45x-*M	RSSW WSSW 45x-*M	RSSW RKSX 45x-*M	RSSW WKSX 45x-*M
	2 WSSW		WSSW WSSW 45x-*M	WSSW RKSX 45x-*M	WSSW WKSX 45x-*M
Eurofast (Female)	3 RKSX			RKSX RKSX 45x-*M	RKSX WKSX 45x-*M
	4 WKSX				WKSX WKSX 45x-*M

See page P8 for dimensional drawings.

* Indicates length in meters.

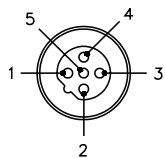
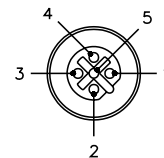
x Indicates cable type.

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 RSSW...RSSWV.

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

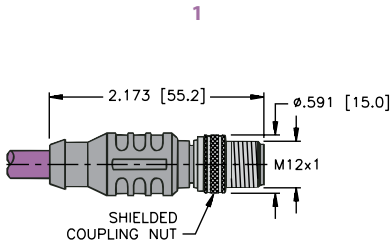
Pinouts

Eurofast	45 series pinout	59 series pinout	Eurofast
Male			Female
	1. N/C 2. Green (TxD) 3. N/C 4. Red (RxD) 5. Bare (Shield Drain Wire)	1. Blue (TxD_1) 2. Green (TxD) 3. White (RxD_1) 4. Red (RxD) 5. Bare (Shield Drain Wire)	

Specifications

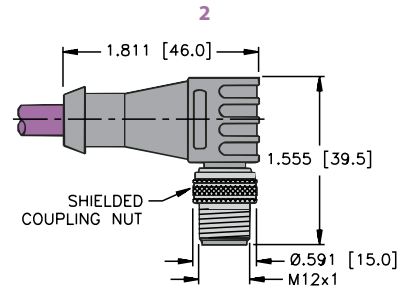
Overmold:	TPU	Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Coupling Nut:	Nickel Plated CuZn or Stainless Steel	Rated Voltage:	250 V
Contact Carrier:	TPU or POM (Nylon)	Rated Current:	4 A
Contacts:	Gold Plated CuZn	Ambient Temperature:	-40 °C to +75 °C (-22 °F to +167 °F)

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



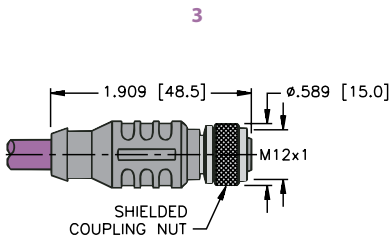
RSSW ..

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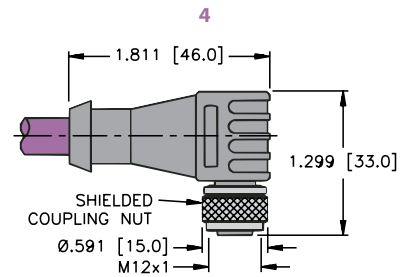
WSSW ..

Page P6



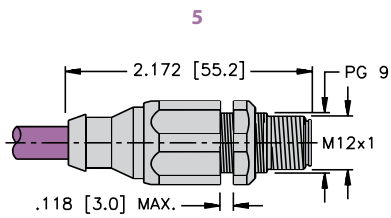
RKSU ..

Page P6



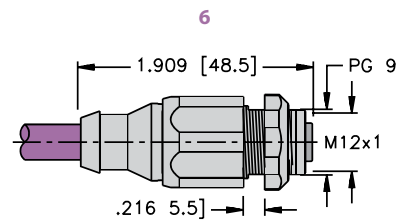
WKSU ..

Page P6



FSSDWE ..

Page P8




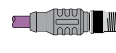

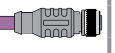


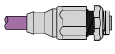
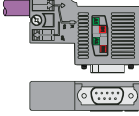
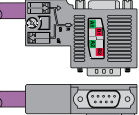
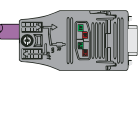
FKSDWE ..

Page P8

PROFIBUS®-DP Connectivity

PROFIBUS® –DP Physical Media Connectivity

PROFIBUS-DP, (M12x1) Eurofast® Cable and Cordset Selection Matrix

		Eurofast						
		Male			Female		Male	Female
		1	2	3	4	5	6	
								
		Bare	RSSW	WSSW	RKSX	WKSX	FSSDWE	FKSDWE
9-Pin Sub D Connector	Terminator	 D9S/T	D9S/T 45x-*M RSSW D9S/T 45x-*M	D9S/T 45x-*M WSSW D9S/T 45x-*M	D9S/T 45x-*M RKSX D9S/T 45x-*M	D9S/T 45x-*M WKSX D9S/T 45x-*M	D9S/T 45x-*M FSSDWE D9S/T 45x-*M	D9S/T 45x-*M FKSDWE D9S/T 45x-*M
	Master	 D9SM/T	D9SM/T 45x-*M RSSW D9SM/T 45x-*M	D9SM/T 45x-*M WSSW D9SM/T 45x-*M	D9SM/T 45x-*M RKSX D9SM/T 45x-*M	D9SM/T 45x-*M WKSX D9SM/T 45x-*M	D9SM/T 45x-*M FSSDWE D9SM/T 45x-*M	D9SM/T 45x-*M FKSDWE D9SM/T 45x-*M
		 SD9S/T	SD9S/T 45x-*M RSSW SD9S/T 45x-*M	SD9S/T 45x-*M WSSW SD9S/T 45x-*M	SD9S/T 45x-*M RKSX SD9S/T 45x-*M	SD9S/T 45x-*M WKSX SD9S/T 45x-*M	SD9S/T 45x-*M FSSDWE SD9S/T 45x-*M	SD9S/T 45x-*M FKSDWE SD9S/T 45x-*M

See page P8 and P11 for dimensional drawings.

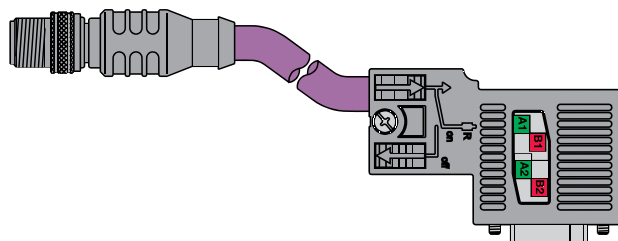
* Indicates length in meters.

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.

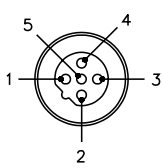
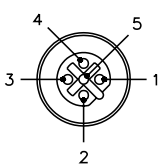
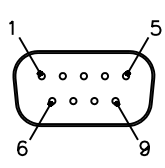
For stainless steel coupling nuts change part number RSSW...RSSWV.

Extension Example:




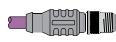

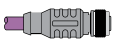

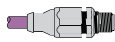
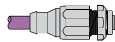
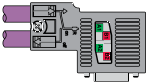
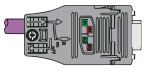
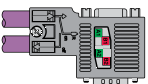
RSSW D9S/T 455-0.3M


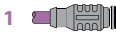
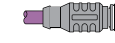


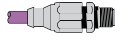
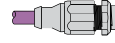
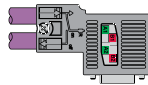
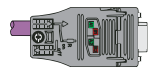
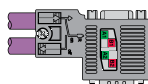
Pinouts

Eurofast	45 series pinout	Eurofast	D9	D9 pinout
Male	1. N/C 2. Green (TxD) 3. N/C 4. Red (RxD) 5. Bare (Shield Drain Wire)	Female	Male	1 = N/C 2 = N/C 3 = RD (RXD) 4 = N/C 5 = N/C 6 = N/C 7 = N/C 8 = GN (TXD) 9 = N/C
				

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

PROFIBUS-DP, (M12x1) Eurofast® Cable and Cordset Selection Matrix

		Eurofast						
		Male		Female		Male	Female	
								
		Bare	RSSW	WSSW	RKSW	WKSW	FSSDWE	FKSDWE
Node	 D9S	D9S 45x-*M	RSSW D9S RSSW 45x-*M-*M	WSSW D9S WSSW 45x-*M-*M	RKSW D9S RKSW 45x-*M-*M	WKSW D9S WKSW 45x-*M-*M	FSSDWE D9S FSSDWE 45x-*M-*M	FKSDWE D9S FKSDWE 45x-*M-*M
Straight	 SD9S	SD9S 45x-*M	RSSW SD9S RSSW 45x-*M-*M	WSSW SD9S WSSW 45x-*M-*M	RKSW SD9S RKSW 45x-*M-*M	WKSW SD9S WKSW 45x-*M-*M	FSSDWE SD9S FSSDWE 45x-*M-*M	FKSDWE SD9S FKSDWE 45x-*M-*M
Node	 D9SM	D9SM 45x-*M	RSSW D9SM RSSW 45x-*M	WSSW D9SM WSSW 45x-*M-*M	RKSW D9SM RKSW 45x-*M-*M	WKSW D9SM WKSW 45x-*M-*M	FSSDWE D9SM FSSDWE 45x-*M-*M	FKSDWE D9S FKSDWE 45x-*M-*M

		Eurofast						
		Male	Female	Male	Female	Male	Female	
								
		Bare	RSSW	RKSW	WSSW	WKSW	FSSDWE	FKSDWE
Node	 D9S	D9S 45x-*M	RSSW D9S RKSW 45x-*M-*M		WSSW D9S WKSW 45x-*M-*M		FSSDWE D9S FKSDWE 45x-*M-*M	
Straight	 SD9S	SD9S 45x-*M	RSSW SD9S RKSW 45x-*M-*M		WSSW SD9S WKSW 45x-*M-*M		FSSDWE SD9S FKSDWE 45x-*M-*M	
Node	 D9SM	D9SM 45x-*M	RSSW D9SM RKSW 45x-*M-*M		WSSW D9SM WKSW 45x-*M-*M		FSSDWE D9SM FKSDWE 45x-*M-*M	

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

PROFIBUS®-DP Connectivity

See page P8 and P11-P12 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.

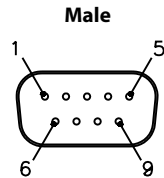
For stainless steel coupling nuts change part number RSSW...RSSWV.

PROFIBUS® –DP Physical Media Connectivity

PROFIBUS-DP, Field Wireable D9 Connectors

- Provides connection to Master or Node in the field
- Maximum Cable O.D. is 8.5 mm

Housing Style	Part Number	Features	Pinout
	Connector,PDP,D9S	-25 °C to +80 °C, right angle, terminating switch	
	Connector,PDP,SD9S	-25 °C to +80 °C, straight, terminating switch	1. N/C 2. N/C 3. RED (Bus_B) 4. N/C 5. N/C 6. N/C 7. N/C 8. Green (Bus_A) 9. N/C
	Connector,PDP,D9SM	-25 °C to +80 °C, right angle, master, terminating switch	

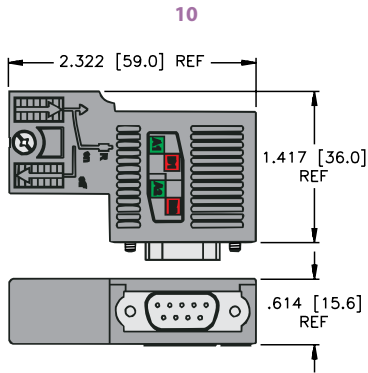


We reserve the right to make technical alterations without prior notice.

Specifications - (D9)

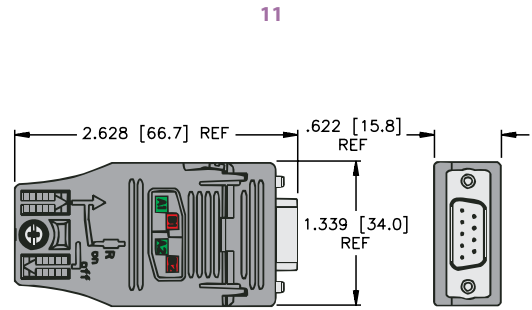
Terminating Switch: Yes
Protection: IEC IP 20
Rated Voltage: 4.75-5.25 VDC

Rated Current: 5 mA
Temperature Rating: -25 °C to +60 °C
 *Max. Cable diameter: 8.5 mm



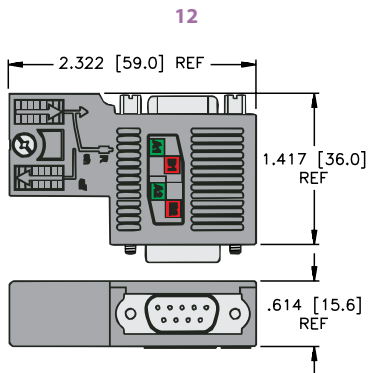
Connector, PDP, D9S

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Connector, PDP, SD9S

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Connector, PDP, D9SM

Page P8

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

PROFIBUS®-DP Connectivity