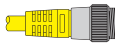

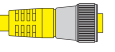

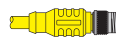

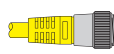


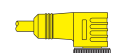
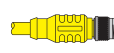
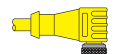




TURCK

Network Media Products

FOUNDATION™ fieldbus, Cable and Cordset Selection Matrix

		minifast®				eurofast®	
		Pin (Male)		Socket (Female)		Pin (Male)	
		1  RSV	2  WSV	3  RKV	4  WKV	5  RSCV	
 Bare		RSV 49x-*M	WSV 49x-*M	RKV 49x-*M	WKV 49x-*M	RSCV 49x-*M	
minifast	Pin (Male)	1  RSV	RSV RSV 49x-*M	RSV WSV 49x-*M	RSV RKV 49x-*M	RSV WKV 49x-*M	RSV RSCV 49x-*M
	2  WSV		WSV WSV 49x-*M	WSV RKV 49x-*M	WSV WKV 49x-*M	WSV RSCV 49x-*M	
	3  RKV			RKV RKV 49x-*M	RKV WKV 49x-*M	RKV RSCV 49x-*M	
	4  WKV				WKV WKV 49x-*M	WKV RSCV 49x-*M	
eurofast	Pin (Male)	5  RSCV				RSCV RSCV 49x-*M	
	6  WSCV						
	7  RKCVC						
	8  WKCVC						

See pages R19 - R20 for dimensional drawings.



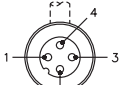
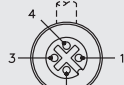
* Indicates length in meters.

x Indicates cable type.

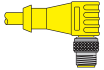

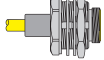
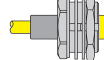
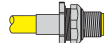
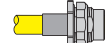
Refer to the Cordset Builder at www.turck.com for assistance with cordset/cable combinations.

Standard cable lengths are 0.3, 0.5, 1.0, 2.0, 2.5, 3.0, 3.5, 4.0, 5.0, 6.0, 8.0, 10, 15....50 Meters. Consult factory for other lengths.

For stainless steel coupling nuts change part number RSM ... to RSV, WSM ... to WSV. For **eurofast armorfast®** cable RSC ... to RSA.

minifast		Pinouts	eurofast	
Male	Female	1. Blue (- Voltage) 2. Brown (+ Voltage) 3. Bare (Shield Drain Wire) 4. Green/Yellow (Ground)	Male	Female
				

FOUNDATION™ fieldbus, Cable and Cordset Selection Matrix

<i>eurofast</i> ®			<i>minifast</i> ® Bulkhead		<i>eurofast</i> Bulkhead	
Pin (Male)	Socket (Female)		Pin (Male)	Socket (Female)	Pin (Male)	Socket (Female)
6  WSCV	7  RKCX	8  WKCX	9  RSFPV	10  RKFPV	11  FSFDV	12  FKFDV
WSCV 49x-*M	RKCX 49x-*M	WKCX 49x-*M	RSFPV 49x-*M	RKFPV 49x-*M	FSFDV 49x-*M	FKFDV 49x-*M
RSV WSCV 49x-*M	RSV RKCX 49x-*M	RSV WKCX 49x-*M	RSV RSFPV 49x-*M	RSV RKFPV 49x-*M	RSV FSFDV 49x-*M	RSV FKFDV 49x-*M
WSV WSCV 49x-*M	WSV RKCX 49x-*M	WSV WKCX 49x-*M	WSV RSFPV 49x-*M	WSV RKFPV 49x-*M	WSV FSFDV 49x-*M	WSV FKFDV 49x-*M
RKV WSCV 49x-*M	RKV RKCX 49x-*M	RKV WKCX 49x-*M	RKV RSFPV 49x-*M	RKV RKFPV 49x-*M	RKV FSFDV 49x-*M	RKV FKFDV 49x-*M
WKV WSCV 49x-*M	WKV RKCX 49x-*M	WKV WKCX 49x-*M	WKV RSFPV 49x-*M	WKV RKFPV 49x-*M	WKV FSFDV 49x-*M	WKV FKFDV 49x-*M
RSCV WSCV 49x-*M	RSCV RKCX 49x-*M	RSCV WKCX 49x-*M	RSCV RSFPV 49x-*M	RSCV RKFPV 49x-*M	RSCV FSFDV 49x-*M	RSCV FKFDV 49x-*M
WSCV WSCV 49x-*M	WSCV RKCX 49x-*M	WSCV WKCX 49x-*M	WSCV RSFPV 49x-*M	WSCV RKFPV 49x-*M	WSCV FSFDV 49x-*M	WSCV FKFDV 49x-*M
	RKCX RKCX 49x-*M	RKCX WKCX 49x-*M	RKCX RSFPV 49x-*M	RKCX RKFPV 49x-*M	RKCX FSFDV 49x-*M	RKCX FKFDV 49x-*M
		WKCX WKCX 49x-*M	WKCX RSFPV 49x-*M	WKCX RKFPV 49x-*M	WKCX FSFDV 49x-*M	WKCX FKFDV 49x-*M

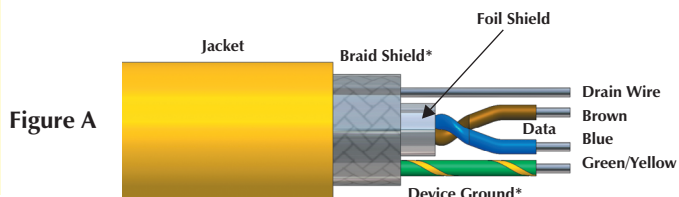
FOUNDATION fieldbus

FOUNDATION™ fieldbus, Cable Specifications

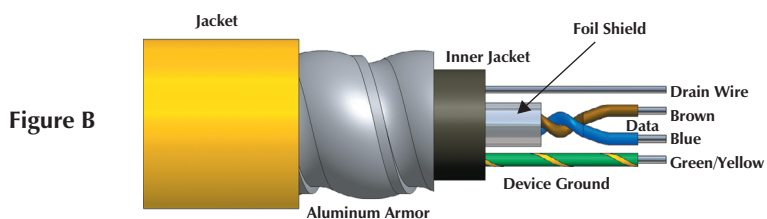
- Cable that Meets the Requirements of ISA/SP50 and FOUNDATION™ fieldbus Requirements for Type A Cable
- Cables are Available in 3-wire Versions with a Device Ground or 2-wire Versions

Type A Cable Specifications

- Temperature range: -40 to +105°C
- Governed by: ISA SP50.02 specification
- Sunlight Resistant
- PLTC and ITC Rated (CSA FT4)
- Impedance [Z_0 at f_c (31.25 kHz)] = 100 Ohms \pm 20 %
- Maximum Attenuation at 1.25 f_c (39 kHz) = 3.0 dB/km
- Maximum Capacitive Unbalance to Shield = 2 nF/km
- Maximum DC Resistance (per conductor) = 24 Ohms/km
- Maximum Propagation Delay Variance 0.25 f_c to 1.25 f_c = 1.7 μ s/km
- Conductor Cross-sectional area (wire size) = nominal 0.8 mm² (#18 AWG) or 1.2 mm² (#16 AWG)
- Shield Coverage = 100 % (90 % minimum)



*Available on some cable types



Type	Approvals	Data Pair		Device Ground	Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	Material Color Nominal O.D.	Type Drain Wire		
490 AWM 2517 105°C 300 Volts	NEC ITC PLTC Open Wiring CEC [CMG] AWM I/II A/B FT4	2/18 AWG BU/BN	6.5 Ohms XLPE	18 AWG GN/YE	PVC Yellow 8.4 mm (.330 in)	Foil 20 AWG	RB50693-*M 58 lbs.	A
490B AWM 2517 105°C 300 Volts	NEC ITC PLTC Open Wiring CEC [CMG] AWM I/II A/B FT4	2/18 AWG BU/BN	6.5 Ohms XLPE	18 AWG GN/YE	PVC Blue 8.4 mm (.330 in)	Foil 20 AWG	RB50783-*M 58 lbs.	A
492A 105°C 300 Volts	NEC ITC PLTC/CM CEC [CMG HLBCD]	2/18 AWG BU/BN	6.5 Ohms XLPE	18 AWG GN/YE	Armor/PVC Yellow 14.9 mm (0.585 in)	Foil 18 AWG	RB50874-*M 96 lbs. armorfast®	B
492BA 105°C 300 Volts	NEC ITC PLTC/CM CEC [CMG HLBCD]	2/18 AWG BU/BN	6.5 Ohms XLPE	18 AWG GN/YE	Armor/PVC Blue 14.9 mm (0.585 in)	Foil 18 AWG	RB50803-*M 96 lbs. armorfast®	B
493 AWM 2517 105°C 300 Volts	NEC ITC PLTC Open Wiring CEC [CMG] AWM I/II A/B FT4	2/18 AWG BU/BN	6.5 Ohms XLPE	None	PVC Yellow 8.5 mm (.335 in)	Foil/Braid 20 AWG	RB50784-*M 59 lbs.	A
493B AWM 2517 105°C 300 Volts	NEC ITC PLTC Open Wiring CEC [CMG] AWM I/II A/B FT4	2/18 AWG BU/BN	6.5 Ohms XLPE	None	PVC Blue 8.5 mm (.335 in)	Foil/Braid 20 AWG	RB50786-*M 59 lbs.	A

* Indicates length in meters.
Standard cable lengths are 30, 75, 150, 225 and 300 meters.

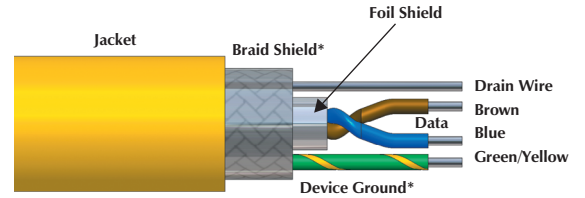
FOUNDATION™ fieldbus, Cable Specifications

- Cable that Meets the Requirements of ISA/SP50 and FOUNDATION™ fieldbus Requirements for Type A Cable
- Cables are Available in 3-wire Versions with a Device Ground or 2-wire Versions

Type A Cable Specifications

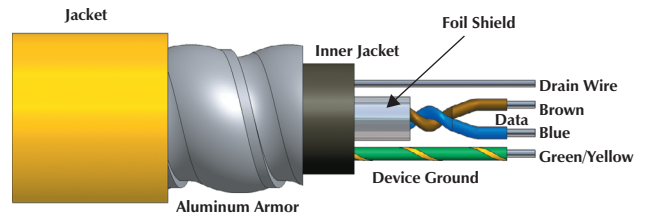
- Temperature range: -40 to +105°C
- Governed by: ISA SP50.02 specification
- Sunlight Resistant
- PLTC and ITC Rated (CSA FT4)
- Impedance [Z_0 at f_r (31.25 kHz)] = 100 Ohms \pm 20 %
- Maximum Attenuation at 1.25 f_r (39 kHz) = 3.0 dB/km
- Maximum Capacitive Unbalance to Shield = 2 nF/km
- Maximum DC Resistance (per conductor) = 24 Ohms/km
- Maximum Propagation Delay Variance 0.25 f_r to 1.25 f_r = 1.7 μ s/km
- Conductor Cross-sectional area (wire size) = nominal 0.8 mm² (#18 AWG) or 1.2 mm² (#16 AWG)
- Shield Coverage = 100 % (90 % minimum)

Figure A



*Available on some cable types

Figure B



Type	Approvals	Data Pair		Device Ground	Outer Jacket	Shields	Bulk Cable Part Number / Weight/300 M	Figure
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	Material Color Nominal O.D.	Type Drain Wire		
4930 AWM 2517 105°C 300 Volts	NEC ITC PLTC Open Wiring CEC [CMG] AWM I/II A/B FT4	2/18 AWG BU/BN	6.5 Ohms XLPE	None	PVC Orange 8.5 mm (.335 in)	Foil/Braid 20 AWG	RB50785-*M 59 lbs.	A
496 AWM 2517 105°C 300 Volts	NEC ITC PLTC Open Wiring CEC [CMG] AWM I/II A/B FT4	2/16 AWG BU/BN	4.1 Ohms XLPE	None	PVC Yellow 9.6 mm (.378 in)	Foil 18 AWG	RB50891-*M 64 lbs.	A
496BK AWM 2517 105°C 300 Volts	NEC ITC PLTC Open Wiring CEC [CMG] AWM I/II A/B FT4	2/16 AWG BU/BN	4.1 Ohms XLPE	None	PVC Black 9.6 mm (.378 in)	Foil 18 AWG	RB51300-*M 64 lbs.	A

FOUNDATION fieldbus

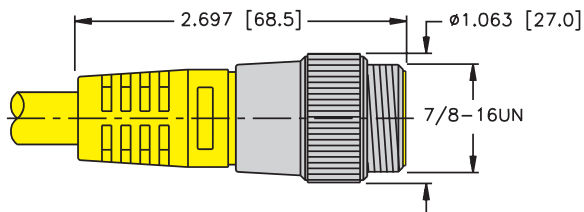
* Indicates length in meters.
Standard cable lengths are 30, 75, 150, 225 and 300 meters.

FOUNDATION™ fieldbus, minifast® Cordset and Receptacle Connector Dimensions

Specifications

Housing:	PUR (Polyurethane)
Coupling Nut:	Nickel Plated CuZn or Stainless Steel
Contact Carrier:	TPU (Polyurethane)
Contacts:	Gold Plated CuZn
Protection:	NEMA 1, 3, 4, 6P and IEC IP 68
Rated Voltage:	300 V
Rated Current:	9 A
Ambient Temperature:	-40° to +105°C (-40° to +221°F)

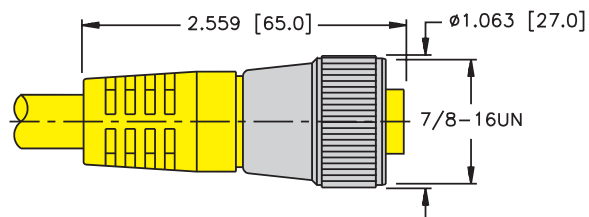
1



RSV ..

Pages R17 - R18

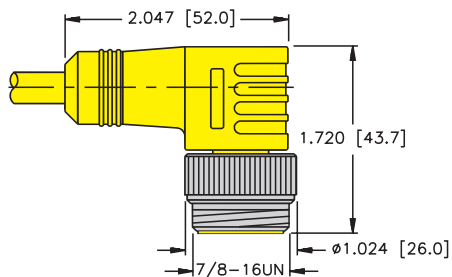
3



RKV ..

Pages R17 - R18

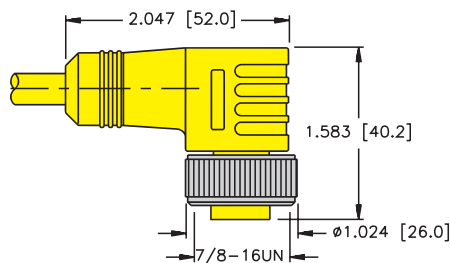
2



WSV ..

Pages R17 - R18

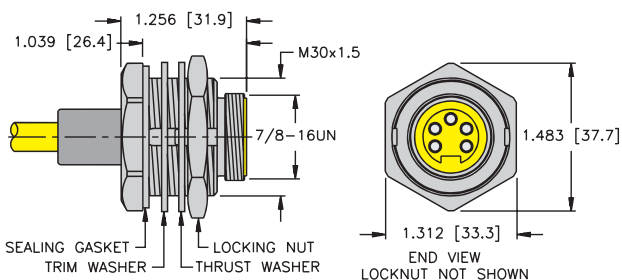
4



WKV ..

Pages R17 - R18

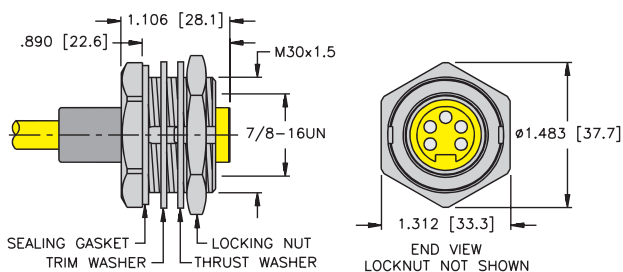
9



RSFPV ..

Pages R17 - R18

10



RKFPV ..

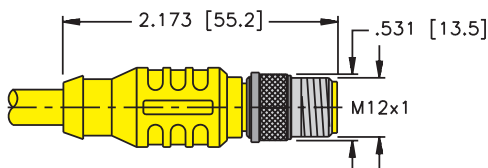
Pages R17 - R18

FOUNDATION™ fieldbus, eurofast® Cordset and Receptacle Connector Dimensions

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:	250 V
Rated Current:	4 A
Ambient Temperature:	-40° to +105°C (-40° to +221°F)

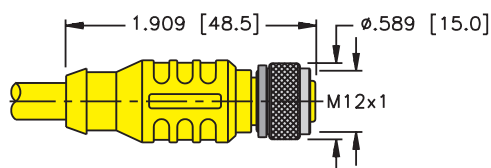
5



RSCV ..

Pages R17 - R18

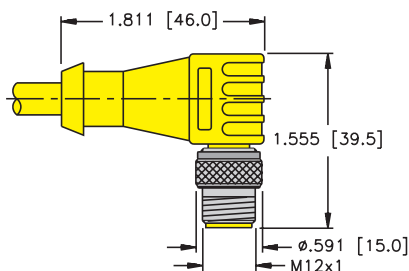
7



RKCV ..

Pages R17 - R18

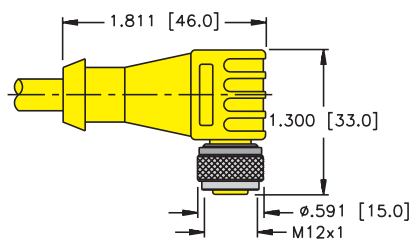
6



WSCV ..

Pages R17 - R18

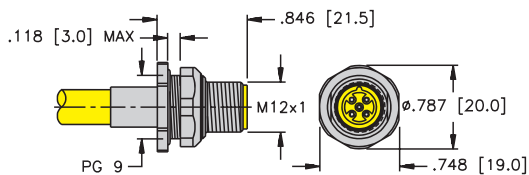
8



WKCV ..

Pages R17 - R18

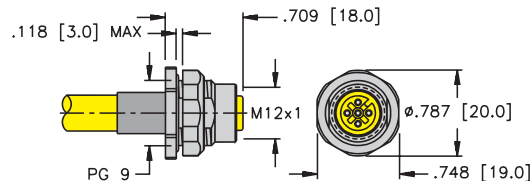
11



FSFDV ..

Pages R17 - R18

12



FKFDV ..

Pages R17 - R18

FOUNDATION fieldbus