

Seriplex™

Seriplex is designed to be easy and simple to use where applications demand a very high speed. Response times are less than a millisecond for 128 points.

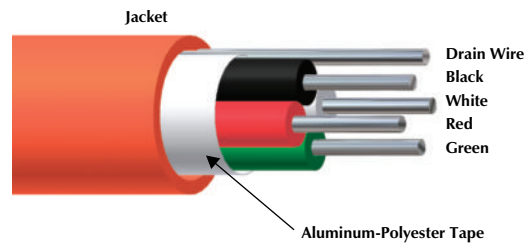
- Cable runs of 5,000+ feet
- System throughput time is 0.4 msec for 32 sensors plus 32 actuators (5 msec for 510 I/O)
- Supports more than 255 inputs and 255 outputs
- Flexibility of system without system reconfiguration
- Supports any wiring configuration - star, loop, tree, trunks, daisy chain

Seriplex media consists of a small, 4-wire shielded cable that provides both communications and power.

Bus Type	Master/slave and peer-to-peer
Bus Topology	Open - any combination of tree, loop, multi-drop, star, etc.
Maximum Number of Slaves	Non-multiplexed: 5010+ (225 input + 255 output) Multiplexed: 7.680 discrete or 480 analog or a combination
Data Packet Size	1-255 bits
Network Length	5,000 ft. or longer (without repeaters)
Bus Scan Time	Scalable - 0.72 ms for 31 sensors plus 31 actuators; 5.2 ms for 510 I/O devices
Error Detection System	Yes - CDR, digital debounce and diagnostic output
Transmission Signal	Binary, Analog, ASCII
Media	4-wire cable
Determinism	Yes - inherently deterministic

Seriplex™, Cable Specifications

- Cable that Meets the Requirements of Seriplex CBL 1622-PI
- Cable Consists of Two Wires for Clock and Data and Two for Power and Common



Maximum Distance = 1524 meters (5000 feet)

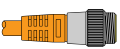



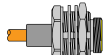
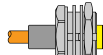

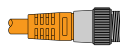
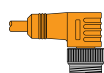

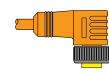
Type	Approvals	Data		Power		Outer Jacket Material Color Nominal O.D.	Shields Type Drain Wire	Bulk Cable Part Number / Weight/300 M
		AWG Color Code	DCR (/1000 feet) Insulation	AWG Color Code	DCR (/1000 feet) Insulation			
582 75°C 300 Volts	NEC CL2 CM CEC CM	2/22 AWG WH/GN	18.1 Ohms PE	2/16 AWG RD/BK	4.5 Ohms PE	PVC Orange 9.4 mm (.368 in)	Foil 22 AWG	RB50789-*M 56 lbs.

* Indicates length in meters.

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Network Media Products

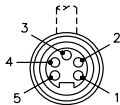
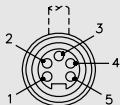
Seriplex™, Cable and Cordset Selection Matrix

		<i>minifast</i> ®				<i>minifast</i>	
		Pin (Male)		Socket (Female)		Pin (Male)	Socket (Female)
		1 	2 	3 	4 	5 	6 
		RSM	WSM	RKM	WKM	RSFP	RKFP
		RSM 582-*M	WSM 582-*M	RKM 582-*M	WKM 582-*M	RSFP 582-*M	RKFP 582-*M
<i>minifast</i>	Pin (Male)						
	1 	RSM RSM 582-*M	RSM WSM 582-*M	RSM RKM 582-*M	RSM WKM 582-*M	RSM RSFP 582-*M	RSM RKFP 582-*M
	2 		WSM WSM 582-*M	WSM RKM 582-*M	WSM WKM 582-*M	WSM RSFP 582-*M	WSM RKFP 582-*M
	3 			RKM RKM 582-*M	RKM WKM 582-*M	RKM RSFP 582-*M	RKM RKFP 582-*M
Socket (Female)							
4 				WKM WKM 582-*M	WKM RSFP 582-*M	WKM RKFP 582-*M	

See page P4 for dimensional drawings.

* Indicates length in meters.

Refer to the Cordset Builder at www.turck.com for assistance with cordset/cable combinations. Standard cable lengths are 1.0, 2.0, 4.0, 6.0, 10....15 Meters. Consult factory for other lengths. For stainless steel coupling nuts change part number RSM ... to RSV, WSM ... to WSV.

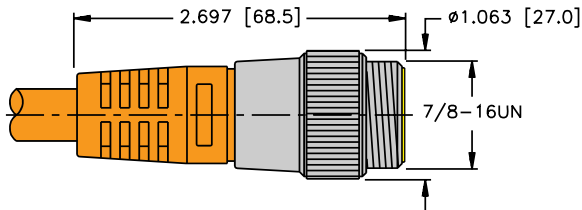
<i>minifast</i>	Pinouts	<i>minifast</i>
Male 	1. Bare (Shield Drain Wire) 2. Red (+ Voltage) 3. Black (- Voltage) 4. Green (Clock) 5. White (Data)	Female 

Seriplex™, 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:	-30°C to +75°C

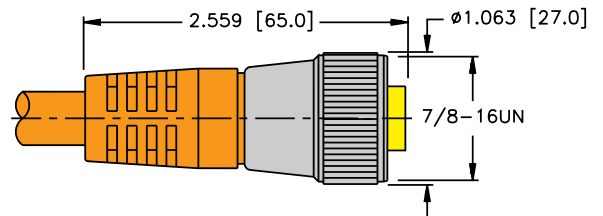
1



RSM ..

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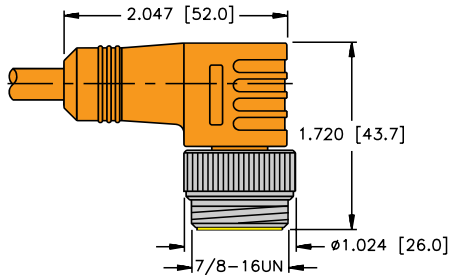
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RKM ..

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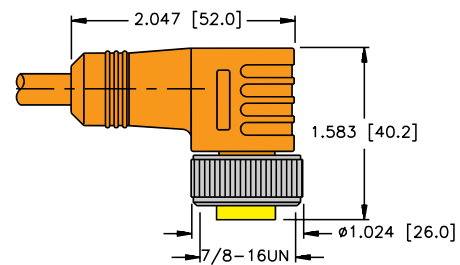
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WSM ..

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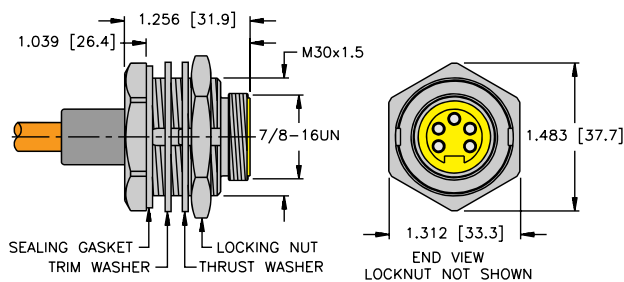
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WKM ..

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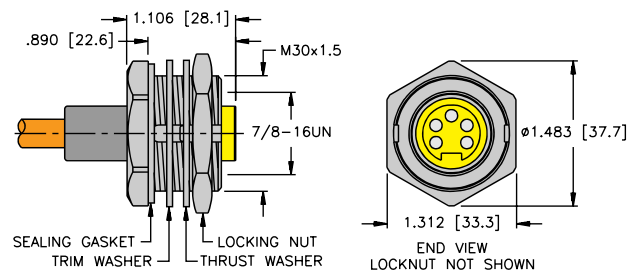
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RSFP ..

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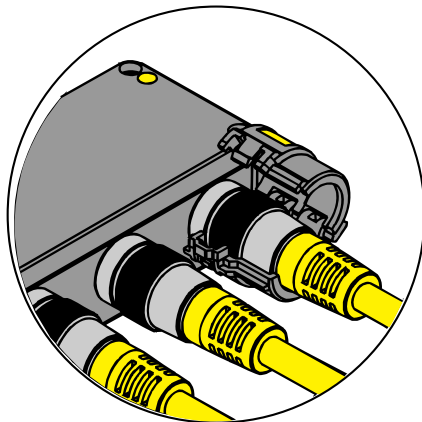
RKFP ..

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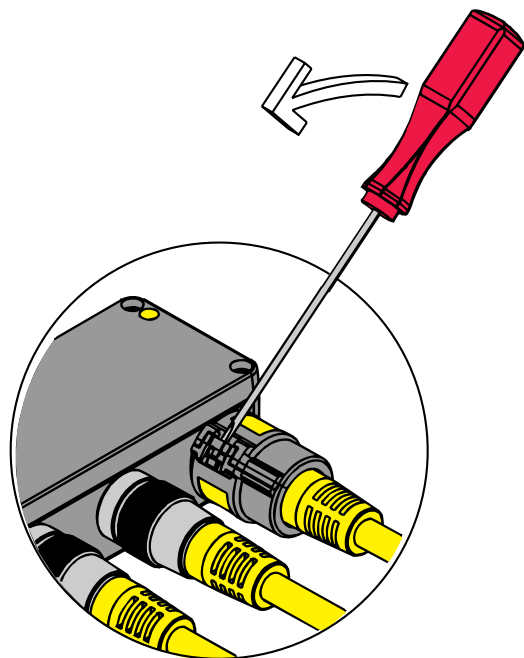
Lokfast™ Guards

Housing	Part Number	Application
	SHLD, MINI	Trunk connections are to be locked with a Lokfast Guard to mechanically prevent separation.
	SHLD, MINI FW	
	SHLD, EURO	
	SHLD, EURO FW	

Lokfast Guards come 10 per bag.



Lokfast Assembly



Lokfast Disassembly

minifast® Closure Caps

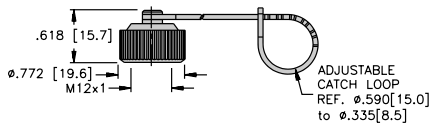
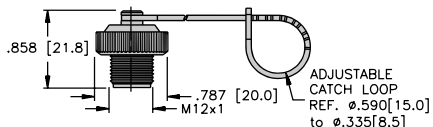
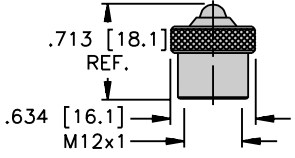
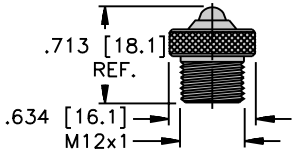
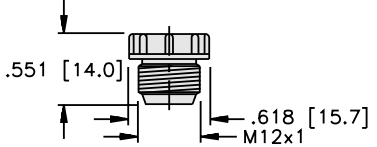
Housing	Part Number	Specs	Application
	RKM-CC	Nickel plated brass 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to male cordsets, receptacles
	RKMV-CC	Stainless steel 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to male cordsets, receptacles
	RSM-CC	Nickel plated brass 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to female cordsets, receptacles
	RSMV-CC	Stainless steel 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to female cordsets, receptacles
	RKF-CC	Nickel plated brass 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to male receptacles
	RKFV-CC	Stainless steel 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to male receptacles
	RSF-CC	Nickel plated brass 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to female receptacles
	RSFV-CC	Stainless steel 7/8-16UN threads 6" stainless steel lanyard	Closure cap, mates to female receptacles
	RKF-MC	Nickel plated brass 7/8-16UN threads BUNA-N gasket	Closure cap, mates to male receptacles
	RKFV-MC	Stainless steel 7/8-16UN threads BUNA-N gasket	Closure cap, mates to male receptacles
	RSF-MC	Nickel plated brass 7/8-16UN threads BUNA-N gasket and O-ring	Closure cap, mates to female cordsets, receptacles
	RSFV-MC	Stainless steel 7/8-16UN threads BUNA-N gasket and O-ring	Closure cap, mates to female cordsets, receptacles

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euromast® Closure Caps

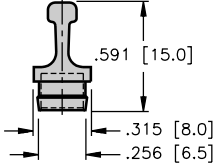
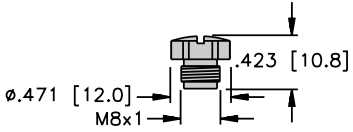
Housing	Part Number	Specs	Application
	RK-CC	Nickel plated brass M12x1 threads 6" lanyard	Mates to male cordsets and receptacles
	RKV-CC	Stainless steel M12x1 threads 6" lanyard	Mates to male cordsets and receptacles
	RS-CC	Nickel plated brass M12x1 threads 6" lanyard	Mates to female cordsets and receptacles
	RSV-CC	Stainless steel M12x1 threads 6" lanyard	Mates to female cordsets and receptacles
	FK-CC	Nickel plated brass M12x1 threads 6" lanyard with eyelet	Mates to male cordsets and receptacles
	FKV-CC	Stainless steel M12x1 threads 6" lanyard with eyelet	Mates to male cordsets and receptacles
	FS-CC	Nickel plated brass M12x1 threads 6" lanyard with eyelet	Mates to female cordsets and receptacles
	FSV-CC	Stainless steel M12x1 threads 6" lanyard with eyelet	Mates to female cordsets and receptacles
	FKK-CC	Plastic M12x1 threads 3" lanyard with eyelet	Mates to male cordsets and receptacles
	FSK-CC	Plastic M12x1 threads 3" lanyard with eyelet	Mates to female cordsets and receptacles

euromast® Closure Caps

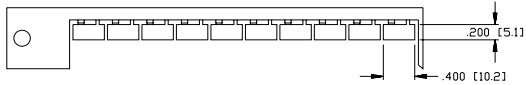
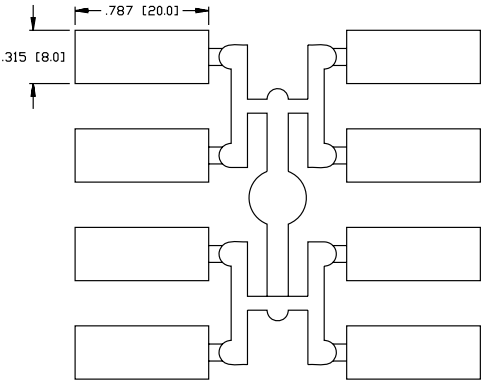
Housing	Part Number	Specs	Application
	RKK-CC	Plastic M12x1 threads	Mates to male cordsets and receptacles
	RSK-CC	Plastic M12x1 threads	Mates to female cordsets and receptacles
	RK-MC	Nickel plated brass M12x1 threads No lanyard	Mates to male cordsets and receptacles
	RKV-MC	Stainless steel M12x1 threads No lanyard	Mates to male cordsets and receptacles
	RS-MC	Nickel plated brass M12x1 threads No lanyard	Mates to female cordsets and receptacles
	RSV-MC	Stainless steel M12x1 threads No lanyard	Mates to female cordsets and receptacles
	VZ3-RED (8/BAG)	Red Nylon	Mates to VB2 series junction boxes and female cordsets and receptacles
	VZ3 (8/BAG)	Nylon	Mates to VB2 series junction boxes and female cordsets and receptacles

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picofast® Closure Caps

Housing	Part Number	Specs	Application
	<p>PSG-CC (8/BAG)</p>	<p>Nylon</p>	<p>Mates to female snap-lock cordsets, receptacles and junction boxes</p>
	<p>PSGM-CC (8/BAG)</p>	<p>Nylon</p>	<p>Mates to female threaded cordsets, receptacles and junction boxes</p>

Snap-in Labels

Housing	Part Number	Specs	Application
	<p>KS 5/10</p>	<p>10 white labels 5x10 mm each</p>	<p>Snap-in labels for <i>picofast</i>® junction boxes</p>
	<p>VZ 1</p>	<p>8 white labels 8x20 mm each Nylon</p>	<p>Snap-in labels for <i>eurofast</i>® and <i>minifast</i>® JTBS junction boxes</p>

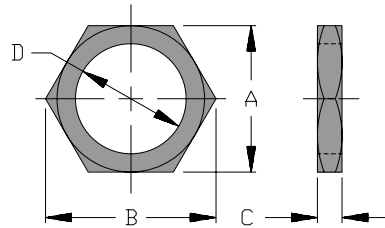


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Locknuts

Part Number	Specs	Application	A	B	C	D
LN-PG 9	Nickel plated brass PG 9 threads 5 locknuts per bag	Lock nut <i>eurofast</i> receptacles	0.71" 18.0 mm	0.79" 20.0 mm	0.11" 2.8 mm	PG 9
LN-PG 13.5	Nickel plated brass PG 13.5 threads 5 locknuts per bag	Lock nut <i>eurofast</i> receptacles	0.90" 23.0 mm	1.00" 25.5 mm	0.12" 3.0 mm	PG 13.5
LN 1/4-18/10	Nickel plated brass 1/4-18 threads 10 locknuts per bag	Lock nut <i>eurofast</i> and <i>microfast</i> receptacles	0.43"	0.49"	0.22"	1/4-18
LN 1/2-14/10	Die-cast Zinc 1/2-14 threads 10 locknuts per bag	Lock nut <i>minifast</i> , <i>eurofast</i> and <i>microfast</i> receptacles	0.74"	0.85"	0.43"	1/2-14





Notes

