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Features

- Ideal for small motor applications
- 3 and 4-pin
- 14 AWG conductors
- Up to 15 Amp, 600 Volt rated
- Dual rated TC-ER and STOOW PVC cable
- "/S4000" TC-ER only PVC cable option available
- NEMA 1,3,4,6P protection
- IEC IP67 protection

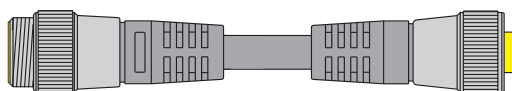


A-Size 7/8" powerfast Cordset Part Number Key

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

A-Size 7/8" powerfast Cordset	R K M	34 - *M /S..	Varieties
R = straight W = right angle			(blank) = TC-ER STOOW PVC cable jacket /S4000 = TC-ER PVC cable jacket /S.. = consult factory, special /CS.. = consult factory, special
Gender			Length in Meters
K = female connector, female threads S = male connector, male threads Y = male connector, female threads			
Coupling Nut Material			Number of Wires / AWG / Color Codes
(blank) = nylon M = nickel plated brass V = 316 stainless steel (hex)			34 = 3x14 AWG GN, BK, WH 44 = 4x14 AWG BK, WH, RD, GN
Insertion Point of Extension Cable 2nd Prefix*			
* Male connector listed 1st, female connector 2nd Example: RSM RKM 44-2M			

Extension Example:



R **S** **M** **R** **K** **M** **44** - ***M**

A-Size 7/8" powerfast Receptacle Part Number Key

A-Size 7/8" powerfast Receptacle	R K F V	34 - *M /NPT /S..	Varieties
			/S.. = consult factory, special /CS.. = consult factory, special
Gender			Connection Thread
K = female connector, female threads S = male connector, male threads X = female connector, male threads			/NPT = 1/2-14 NPT threads
Designator for Receptacle			Length in Meters
Housing Material			Number of Wires / AWG / Color Codes
(blank) = nickel plated brass K = nylon V = 316 stainless steel			34 = 3x14 AWG GN, BK, WH 44 = 4x14 AWG BK, WH, RD, GN

A-Size 7/8" powerfast Cordset Specifications

Mechanical

Mold material/Color:	PUR/Black
Contact carrier material:	PUR
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/Color:	
Standard:	TC-ER STOOW PVC/Black
Additional options:	TC-ER PVC/Black (/S4000 version)
Ratings:	15 Amps, 600 VAC



A-Size 7/8" powerfast Receptacle Specifications

Mechanical



Contact carrier material:	PUR
Housing material/Plating:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67
Temperature rating:	-40 to +105°C (-40 to +221°F)

Electrical

Contact material:	Brass or copper with gold plating
Conductor insulation:	PVC
Ratings:	15 Amps, 600 VAC





A-Size 7/8" powerfast Cordset Selection Matrix

			1 	2 	3 	4 
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW
3	14	15	RKM 34-*M	RSM 34-*M		
4	14	15	RKM 44-*M	RSM 44-*M		

Pins	AWG	Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	14	15	RKM 34-*M/S4000	RSM 34-*M/S4000	WKM 34-*M/S4000	WSM 34-*M/S4000
4	14	15	RKM 44-*M/S4000	RSM 44-*M/S4000	WKM 44-*M/S4000	WSM 44-*M/S4000

A-Size 7/8" powerfast Receptacle Selection Matrix

Front Mount			5 	6 
			Female	Male
Pins	AWG	Current Rating	1/2-14NPT Mounting Thread	1/2-14NPT Mounting Thread
3	14	15	RKF 34-*M/NPT	RSF 34-*M/NPT
4	14	15	RKF 44-*M/NPT	RSF 44-*M/NPT

See page 6 for dimensional drawings.

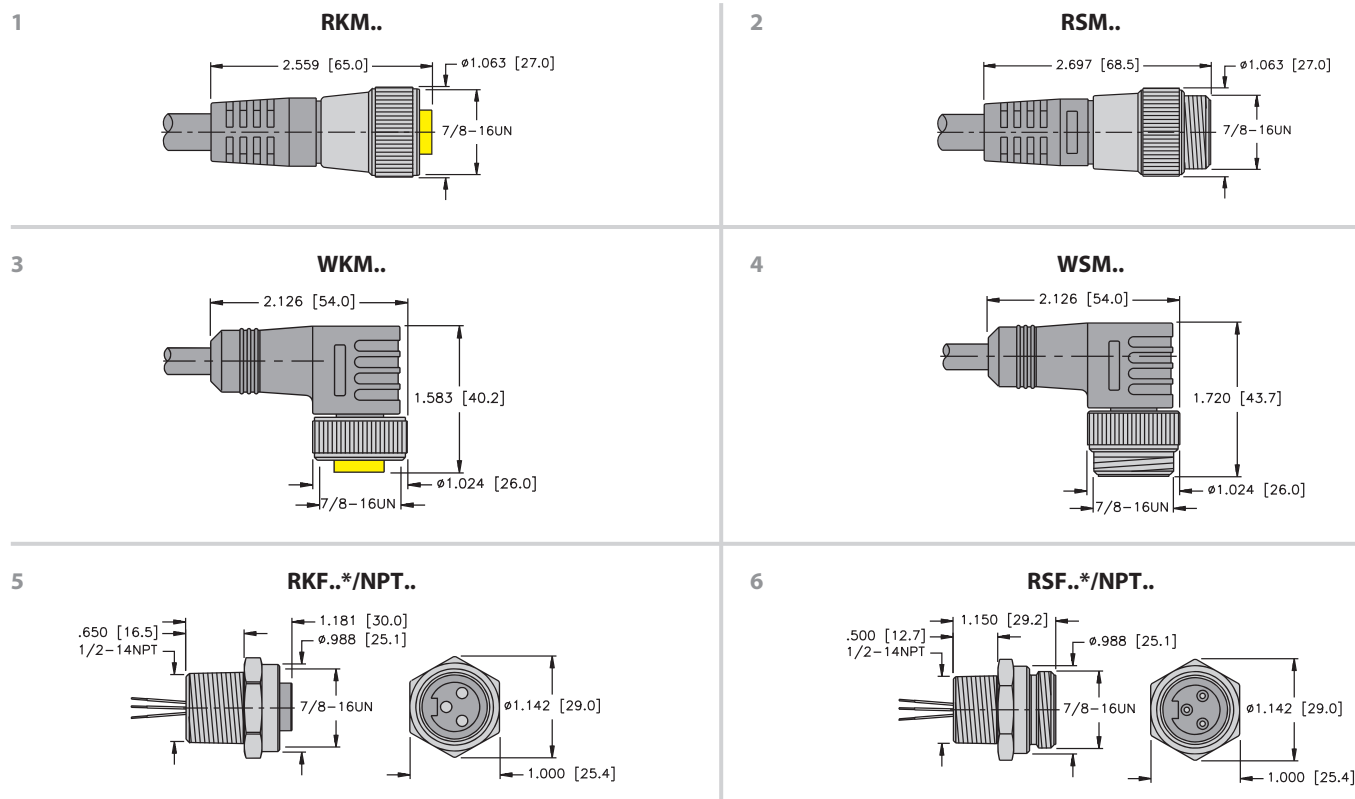
* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Standard lead length is 0.5 meters. Consult factory for other lengths.

Note: Extension cables are available, please consult Part Number Key (page 4).

Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 4) for nylon and 316 stainless steel options.

A-Size 7/8" powerfast

A-Size 7/8" powerfast Cordset and Receptacle Dimensions



A-Size 7/8" powerfast Cordset and Receptacle Pinouts

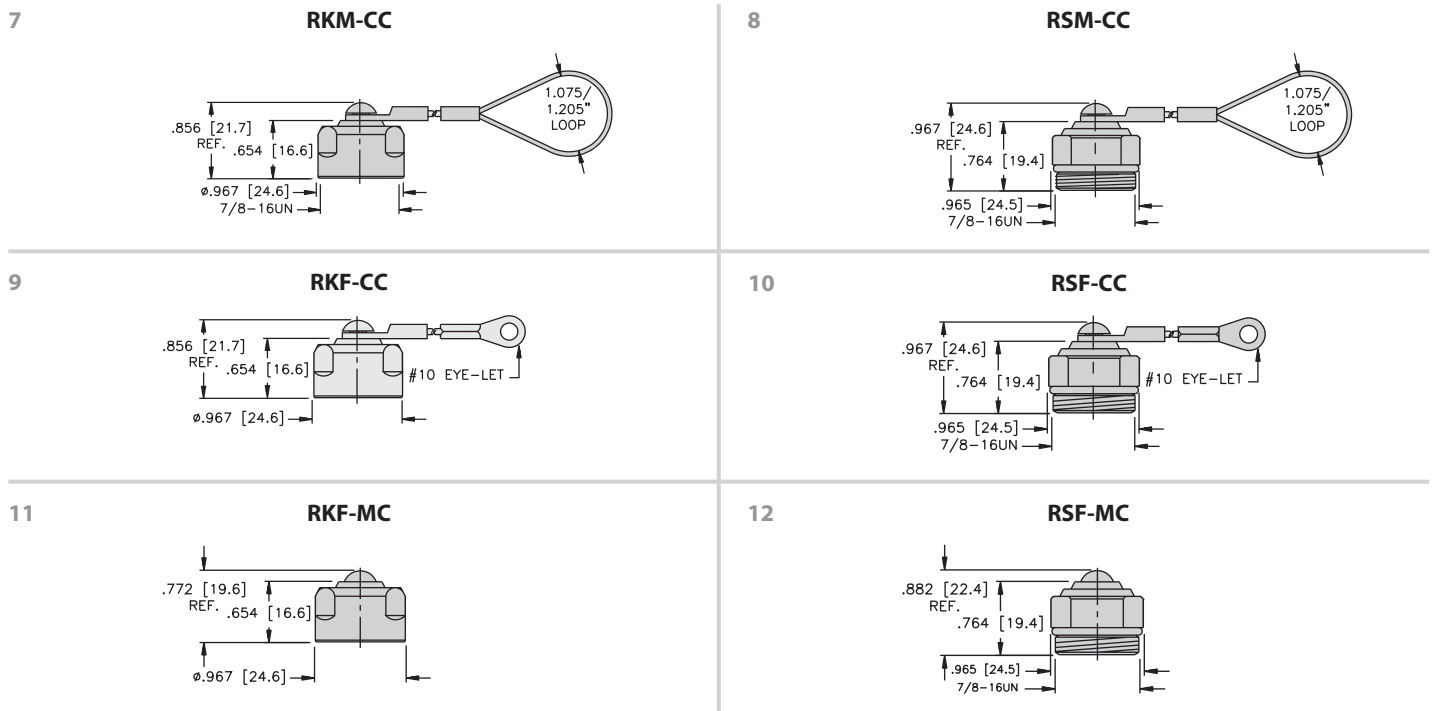
3-Pin		Pinouts	4-Pin		Pinouts
Female	Male		Female	Male	
		1. GN 2. BK 3. WH			1. BK 2. WH 3. RD 4. GN

A-Size 7/8" powerfast Closure Cap Selection Matrix

		7	8	9	10	11	12
		Mates to male cordsets and receptacles	Mates to female cordsets and receptacles	Mates to male receptacles	Mates to female receptacles	Mates to male cordsets and receptacles	Mates to female cordsets and receptacles
Material	Thread	6" SS Loop Lanyard	6" SS Loop Lanyard	6" SS Lanyard with Eyelet	6" SS Lanyard with Eyelet	No Lanyard	No Lanyard
Nickel Plated Brass	7/8-16UN	RKM-CC	RSM-CC	RKF-CC	RSF-CC	RKF-MC	RSF-MC
Stainless Steel	7/8-16UN	RKMV-CC	RSMV-CC	RKFV-CC	RSFV-CC	RKFV-MC	RSFV-MC

See table below for dimensional drawings.

A-Size 7/8" powerfast Closure Cap Dimensions



A-Size 7/8" powerfast

A-Size 7/8" *powerlok*

Part Number	Application
LOCK-A POWER	Nylon locking guard for straight A-Size <i>powerfast</i> connectors



A-Size *powerlok* Open



A-Size *powerlok* Closed

Part Number Keys	J8
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Features

- Ideal for a complete power distribution system
- Tee configurations utilize other *powerfast* family connectors
- 3 and 4-pin
- 10-14 AWG conductors
- Up to 30 Amp, 600 Volt rated
- Dual rated TC-ER and ST00W PVC cable
- "/S4000" TC-ER only PVC cable option available
- NEMA 1,3,4,6P protection
- IEC IP67, IP68, IP69K protection



TURCK D-Size 1 3/8" powerfast™ Connectivity

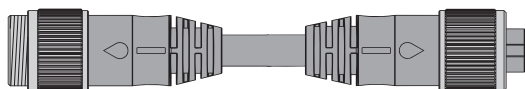


D-Size 1 3/8" powerfast Cordset Part Number Key

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

G	S	D	M	30	-	*M	
D-Size 1 3/8" powerfast Cordset				Varieties			
Gender				(blank) = TC-ER STOOV PVC cable jacket /S4000 = TC-ER PVC cable jacket			
K = female connector, female threads S = male connector, male threads				Length in Meters			
D-Size Power				Number of Wires / AWG / Color Codes			
Configuration				30 = 3x10 AWG BK, GN, WH 32 = 3x12 AWG BK, GN, WH 34 = 3x14 AWG BK, GN, WH 40 = 4x10 AWG BK, GN, RD, WH 42 = 4x12 AWG BK, GN, RD, WH 44 = 4x14 AWG BK, GN, RD, WH			
(blank) = straight W = right angle							
Coupling Nut Material				Insertion Point of Extension Cable 2nd Prefix*			
A = anodized aluminum M = nickel plated brass V = 316 stainless steel				* Male connector listed 1st, female connector 2nd Example: GSDM GKDM 30-1M			

Extension Example:

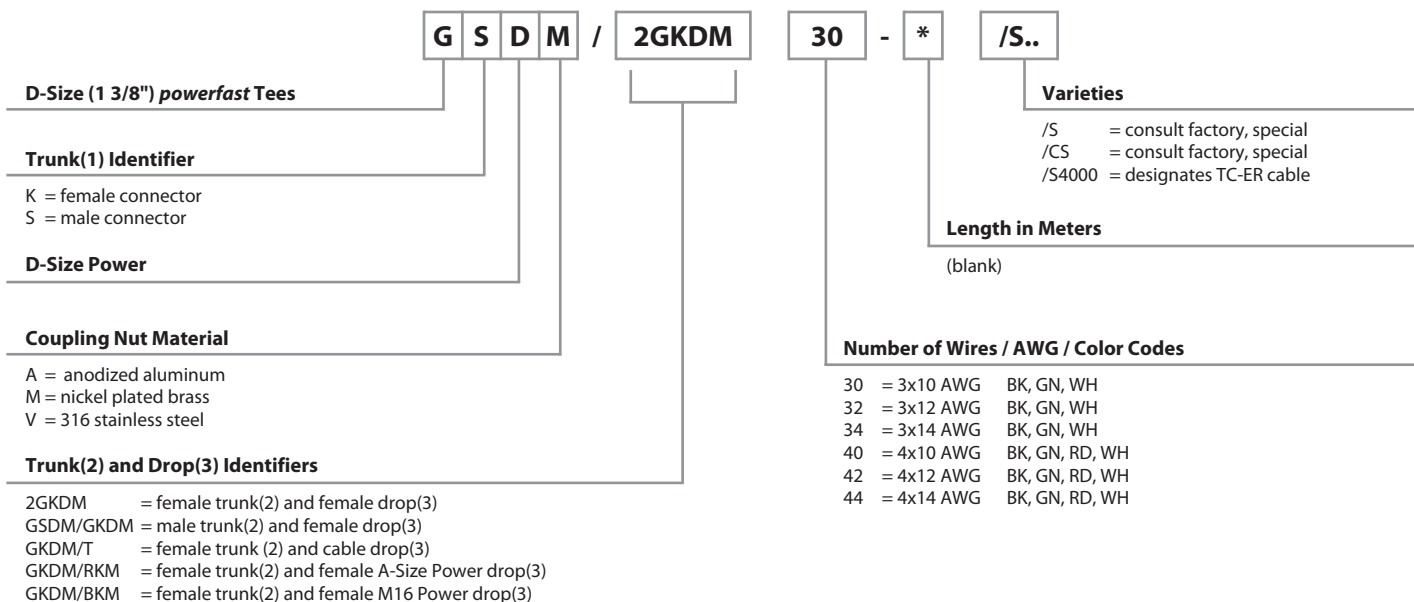


G S D M **G K D M** **30** - ***M**

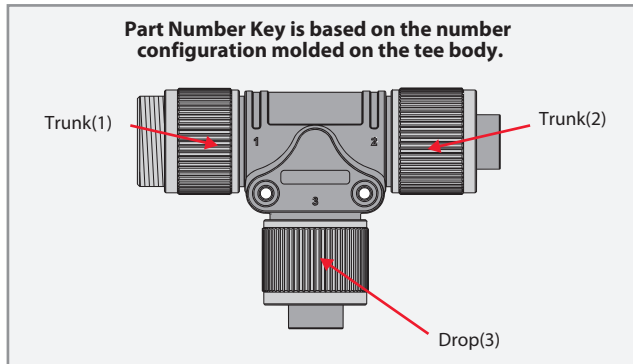
D-Size 1 3/8" powerfast Receptacle Part Number Key

G	K	D	F	30	-	*M	/14.5/NPT
D-Size 1 3/8" powerfast Receptacle				Thread Type			
Gender				/14.5/NPT = 1/2-14 NPT /14.75/NPT = 3/4-14 NPT			
K = female connector, female threads S = male connector, male threads				Length in Meters			
D-Size Power				Number of Wires / AWG / Color Codes			
Designator for Receptacle				30 = 3x10 AWG BK, GN, WH 32 = 3x12 AWG BK, GN, WH 34 = 3x14 AWG BK, GN, WH 40 = 4x10 AWG BK, GN, RD, WH 42 = 4x12 AWG BK, GN, RD, WH 44 = 4x14 AWG BK, GN, RD, WH			
Housing Material							
(blank) = nickel plated brass A = anodized aluminum V = 316 stainless steel							

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



Note: Only one male connector per tee available.
Standard female coupling nut material for A-Size Power drop
and M16 Power drop is nickel plated brass.



Tee Examples:

$$\begin{array}{|c|c|c|c|} \hline \text{G} & \text{S} & \text{D} & \text{M} \\ \hline \end{array} / \begin{array}{|c|c|c|c|c|} \hline 2 & \text{G} & \text{K} & \text{D} & \text{M} \\ \hline \end{array} \quad \begin{array}{|c|} \hline 30 \\ \hline \end{array}$$

$$\begin{array}{|c|c|c|c|} \hline \text{G} & \text{S} & \text{D} & \text{M} \\ \hline \end{array} / \begin{array}{|c|c|c|c|} \hline \text{G} & \text{K} & \text{D} & \text{M} \\ \hline \end{array} / \begin{array}{|c|c|c|} \hline \text{R} & \text{K} & \text{M} \\ \hline \end{array} \quad \begin{array}{|c|} \hline 44 \\ \hline \end{array} - *$$

D-Size 1 3/8" powerfast Cordset Specifications**Mechanical**

Mold material/Color:	PVC/Black
Contact carrier material:	PVC
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/Color:	
Standard:	TC-ER ST00W PVC/Black
Additional options:	TC-ER PVC/Black (/S4000 version)
Ratings:	15-30 Amps, 600 VAC

**D-Size 1 3/8" powerfast Receptacle Specifications****Mechanical**

Contact carrier material:	PVC
Housing material/Plating:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K
Temperature rating:	-40 to +105°C (-40 to +221°F)

Electrical

Contact material:	Brass or copper with gold plating
Conductor insulation:	PVC
Ratings:	15-30 Amps, 600 VAC





**D-Size 1 3/8" powerfast Field Wireable Specifications****Mechanical**

Housing material/Color:	Nylon/Black
Contact carrier material:	PVC
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 6P and IEC IP67
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Ratings:	Up to 30 Amps, 600 VAC

D-Size 1 3/8" powerfast Cordset Selection Matrix

			1 	2 	3 	4 
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW	TC-ER STOOW
3	10	30 Amps	GKDM 30-*M	GSDM 30-*M	GKDWM 30-*M	GSDWM 30-*M
	12	25 Amps	GKDM 32-*M	GSDM 32-*M	GKDWM 32-*M	GSDWM 32-*M
	14	18 Amps	GKDM 34-*M	GSDM 34-*M	GKDWM 34-*M	GSDWM 34-*M
4	10	25 Amps	GKDM 40-*M	GSDM 40-*M	GKDWM 40-*M	GSDWM 40-*M
	12	20 Amps	GKDM 42-*M	GSDM 42-*M	GKDWM 42-*M	GSDWM 42-*M
	14	15 Amps	GKDM 44-*M	GSDM 44-*M	GKDWM 44-*M	GSDWM 44-*M

Pins	AWG	Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	10	30 Amps	GKDM 30-*M/S4000	GSDM 30-*M/S4000	GKDWM 30-*M/S4000	GSDWM 30-*M/S4000
	12	25 Amps	GKDM 32-*M/S4000	GSDM 32-*M/S4000	GKDWM 32-*M/S4000	GSDWM 32-*M/S4000
	14	18 Amps	GKDM 34-*M/S4000	GSDM 34-*M/S4000	GKDWM 34-*M/S4000	GSDWM 34-*M/S4000
4	10	25 Amps	GKDM 40-*M/S4000	GSDM 40-*M/S4000	GKDWM 40-*M/S4000	GSDWM 40-*M/S4000
	12	20 Amps	GKDM 42-*M/S4000	GSDM 42-*M/S4000	GKDWM 42-*M/S4000	GSDWM 42-*M/S4000
	14	15 Amps	GKDM 44-*M/S4000	GSDM 44-*M/S4000	GKDWM 44-*M/S4000	GSDWM 44-*M/S4000





See page 15 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.

Note: Extension cables are available, please consult Part Number Key (page 10).

Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 10) for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast Receptacle Selection Matrix



Front Mount			5 	6 	7 	8 
			Female	Male	Female	Male
Pins	AWG	Current Rating	1/2-14 NPT Mounting Thread	1/2-14 NPT Mounting Thread	3/4-14 NPT Mounting Thread	3/4-14 NPT Mounting Thread
3	10	30 Amps	GKDF 30-*M/14.5/NPT	GSDF 30-*M/14.5/NPT	GKDF 30-*M/14.75/NPT	GSDF 30-*M/14.75/NPT
	12	25 Amps	GKDF 32-*M/14.5/NPT	GSDF 32-*M/14.5/NPT	GKDF 32-*M/14.75/NPT	GSDF 32-*M/14.75/NPT
	14	18 Amps	GKDF 34-*M/14.5/NPT	GSDF 34-*M/14.5/NPT	GKDF 34-*M/14.75/NPT	GSDF 34-*M/14.75/NPT
4	10	25 Amps	GKDF 40-*M/14.5/NPT	GSDF 40-*M/14.5/NPT	GKDF 40-*M/14.75/NPT	GSDF 40-*M/14.75/NPT
	12	20 Amps	GKDF 42-*M/14.5/NPT	GSDF 42-*M/14.5/NPT	GKDF 42-*M/14.75/NPT	GSDF 42-*M/14.75/NPT
	14	15 Amps	GKDF 44-*M/14.5/NPT	GSDF 44-*M/14.5/NPT	GKDF 44-*M/14.75/NPT	GSDF 44-*M/14.75/NPT

See page 16 for dimensional drawings.

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.

Note: Standard housing material is nickel plated brass. Consult Part Number Key (page 10) for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast Field Wireable Selection Matrix

Front Mount			9 	10 
			Female	Male
Pins	AWG	Current Rating	Screw Terminal	Screw Terminal
3	8-14	Up to 30 Amps	GKDM 30-0	GSDM 30-0
4	8-14	Up to 25 Amps	GKDM 40-0	GSDM 40-0

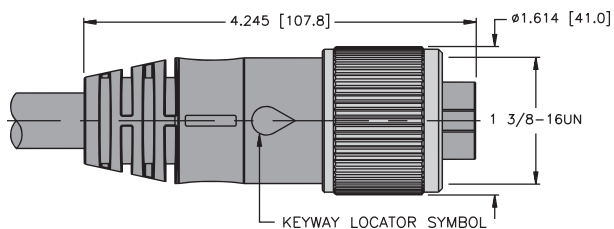
See page 16 for dimensional drawings.

Note: Standard coupling nut material is nickel plated brass. Consult factory for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast Cordset Dimensions

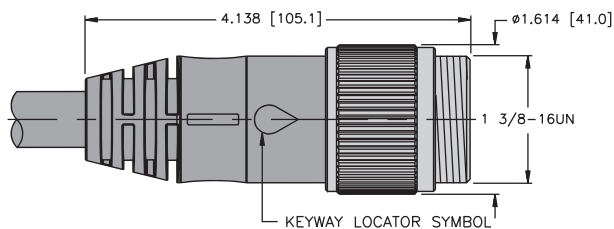
1

GKDM..



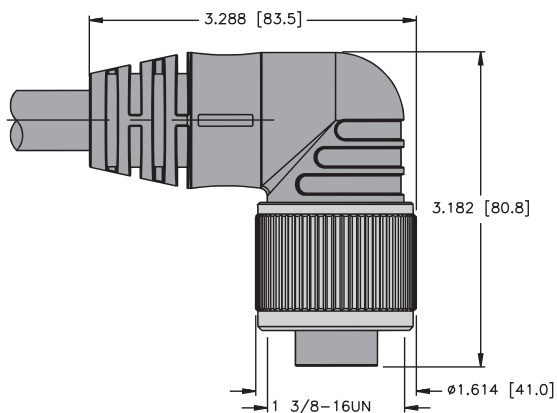
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GSDM..



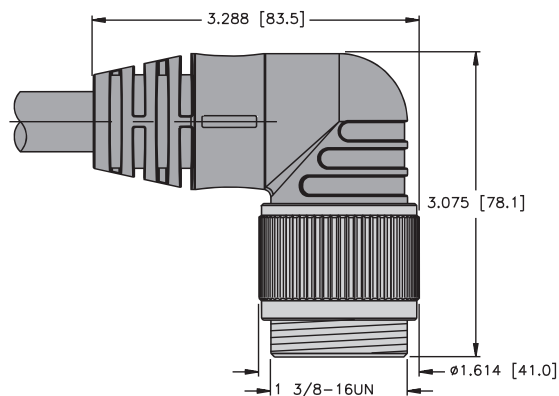
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GKDWM..



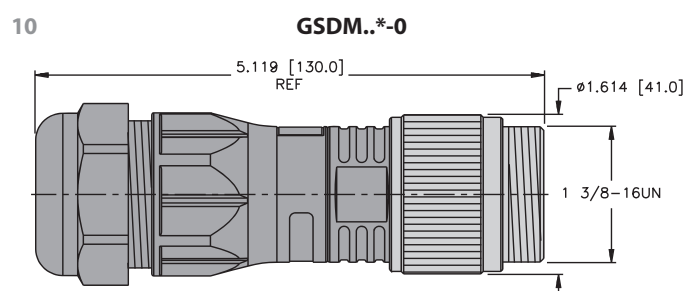
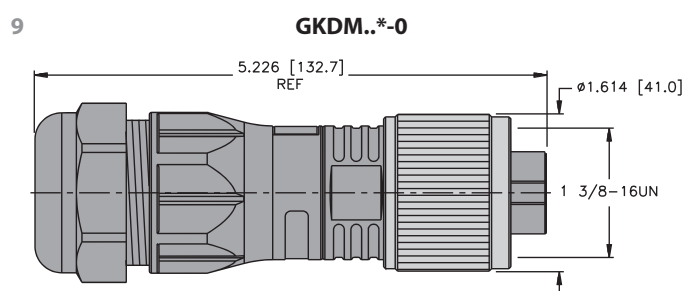
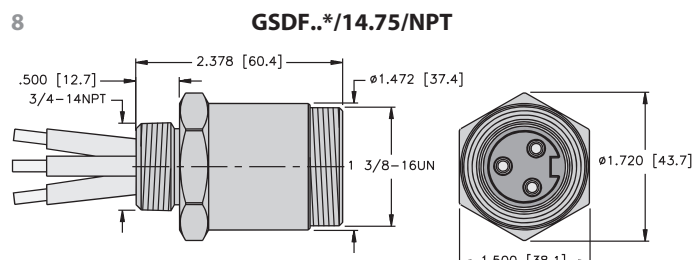
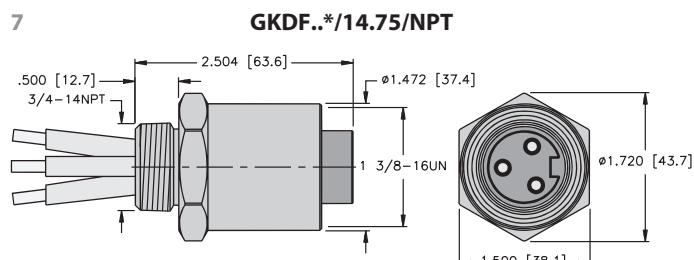
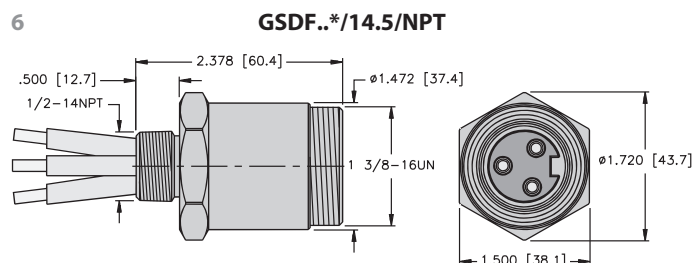
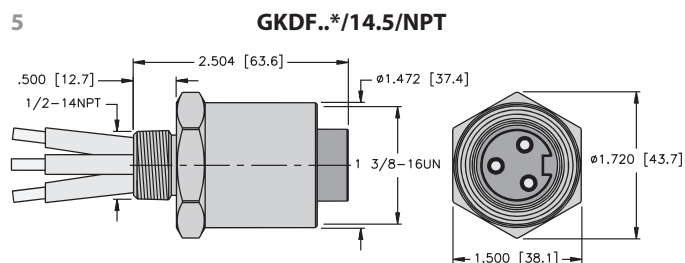
4

GSDWM..

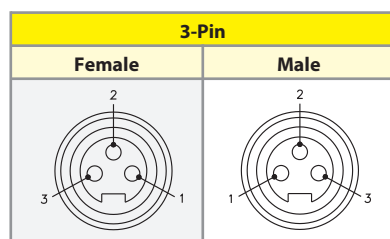


D-Size 1 3/8" powerfast

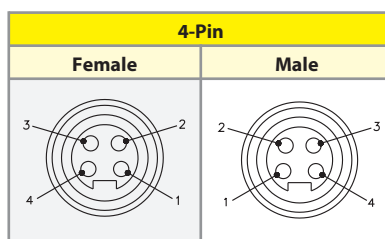
D-Size 1 3/8" powerfast Receptacle and Field Wireable Dimensions



D-Size 1 3/8" powerfast Cordset, Receptacle and Field Wireable Pinouts



Pinouts
1. BK
2. GN
3. WH



Pinouts
1. BK
2. GN
3. RD
4. WH

D-Size 1 3/8" powerfast Tee Specifications




Mechanical

Mold material/Color:	PVC/Black
Contact carrier material:	PVC
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Anodized aluminum 316 stainless steel
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/Color:	
Standard:	TC-ER STOOW PVC/Black
Additional options:	TC-ER PVC/Black (/S4000 version)
Ratings:	15-30 Amps, 600 VAC

D-Size 1 3/8" powerfast Tee Selection Matrix

Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	11 	12 	13 
				Integral D-Size Connector Drop	Integral A-Size Connector Drop	Integral M16 Connector Drop
3	10	30 Amps	30 Amps	GSDM/2GKDM 30		
	14	30 Amps	15 Amps		GSDM/GKDM/RKM 34-*	GSDM/GKDM/BKM 34
4	10	25 Amps	25 Amps	GSDM/2GKDM 40		
	14	25 Amps	15 Amps		GSDM/GKDM/RKM 44-*	GSDM/GKDM/BKM 44





See page 19 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.

Note: Extension cables are available, please consult Part Number Key (page 11).

Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 11) for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast Tee Selection Matrix

Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	14 	15 	16 	17 
				Cable Drop	Cable Drop With D-Size Power Connector	Cable Drop With A-Size Power Connector	Cable Drop With M16 Power Connector
3	10	30 Amps	30 Amps	TC-ER STOOW	TC-ER STOOW		
	12	30 Amps	25 Amps	GSDM/GKDM/T30-*	GSDM/2GKDM 30-*		
	14	30 Amps	18 Amps	GSDM/GKDM/T32-*	GSDM/2GKDM 32-*		
4	10	25 Amps	25 Amps	GSDM/GKDM/T34-*	GSDM/2GKDM 34-*	GSDM/GKDM/RKM 34-*	
	12	25 Amps	20 Amps	GSDM/GKDM/T40-*	GSDM/2GKDM 40-*		
	14	25 Amps	15 Amps	GSDM/GKDM/T42-*	GSDM/2GKDM 42-*		
				GSDM/GKDM/T44-*	GSDM/2GKDM 44-*	GSDM/GKDM/RKM 44-*	

Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	10	30 Amps	30 Amps	GSDM/GKDM/T30-*/S4000	GSDM/2GKDM 30-*/S4000		
	12	30 Amps	25 Amps	GSDM/GKDM/T32-*/S4000	GSDM/2GKDM 32-*/S4000		
	14	30 Amps	18 Amps	GSDM/GKDM/T34-*/S4000	GSDM/2GKDM 34-*/S4000	GSDM/GKDM/RKM 34-*/S4000†	GSDM/GKDM/BKM 34-*/S4000†
4	10	25 Amps	25 Amps	GSDM/GKDM/T40-*/S4000	GSDM/2GKDM 40-*/S4000		
	12	25 Amps	20 Amps	GSDM/GKDM/T42-*/S4000	GSDM/2GKDM 42-*/S4000		
	14	25 Amps	15 Amps	GSDM/GKDM/T44-*/S4000	GSDM/2GKDM 44-*/S4000	GSDM/GKDM/RKM 44-*/S4000	GSDM/GKDM/BKM 44-*/S4000

See page 19 for dimensional drawings.




* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.

† Drop current rating of 15 amps.

Note: Extension cables are available, please consult Part Number Key (page 11).

Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 11) for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast H-Style Tee Selection Matrix

				18		19		20	
				Integral D-Size Connector Drop		Integral A-Size Connector Drop		Integral M16 Connector Drop	
Pins	Drop AWG	Trunk Current Rating	Drop Current Rating						
3	10	30 Amps	30 Amps	SH-GSDM/2GKDM 30					
	14	30 Amps	15 Amps			SH-GSDM/GKDM/RKM 34-*		SH-GSDM/GKDM/BKM 34	
4	10	25 Amps	25 Amps	SH-GSDM/2GKDM 40					
	14	25 Amps	15 Amps			SH-GSDM/GKDM/RKM 44-*		SH-GSDM/GKDM/BKM 44	

				21		22		23		24	
				Cable Drop		Cable Drop With D-Size Power Connector		Cable Drop With A-Size Power Connector		Cable Drop With M16 Power Connector	
Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER STOOW		TC-ER STOOW		TC-ER STOOW		TC-ER STOOW	
3	10	30 Amps	30 Amps	SH-GSDM/GKDM/T30-*		SH-GSDM/2GKDM 30-*					
	12	30 Amps	25 Amps	SH-GSDM/GKDM/T32-*		SH-GSDM/2GKDM 32-*					
	14	30 Amps	18 Amps	SH-GSDM/GKDM/T34-*		SH-GSDM/2GKDM 34-*		SH-GSDM/GKDM/RKM 34-†			
4	10	25 Amps	25 Amps	SH-GSDM/GKDM/T40-*		SH-GSDM/2GKDM 40-*					
	12	25 Amps	20 Amps	SH-GSDM/GKDM/T42-*		SH-GSDM/2GKDM 42-*					
	14	25 Amps	15 Amps	SH-GSDM/GKDM/T44-*		SH-GSDM/2GKDM 44-*		SH-GSDM/GKDM/RKM 44-*			

Pins	Drop AWG	Trunk Current Rating	Drop Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
3	10	30 Amps	30 Amps	SH-GSDM/GKDM/T30-*/S4000	SH-GSDM/2GKDM 30-*/S4000		
	12	30 Amps	25 Amps	SH-GSDM/GKDM/T32-*/S4000	SH-GSDM/2GKDM 32-*/S4000		
	14	30 Amps	18 Amps	SH-GSDM/GKDM/T34-*/S4000	SH-GSDM/2GKDM 34-*/S4000	SH-GSDM/GKDM/RKM 34-*/S4000†	SH-GSDM/GKDM/BKM 34-*/S4000†
4	10	25 Amps	25 Amps	SH-GSDM/GKDM/T40-*/S4000	SH-GSDM/2GKDM 40-*/S4000		
	12	25 Amps	20 Amps	SH-GSDM/GKDM/T42-*/S4000	SH-GSDM/2GKDM 42-*/S4000		
	14	25 Amps	15 Amps	SH-GSDM/GKDM/T44-*/S4000	SH-GSDM/2GKDM 44-*/S4000	SH-GSDM/GKDM/RKM 44-*/S4000	SH-GSDM/GKDM/BKM 44-*/S4000

See page 19 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.

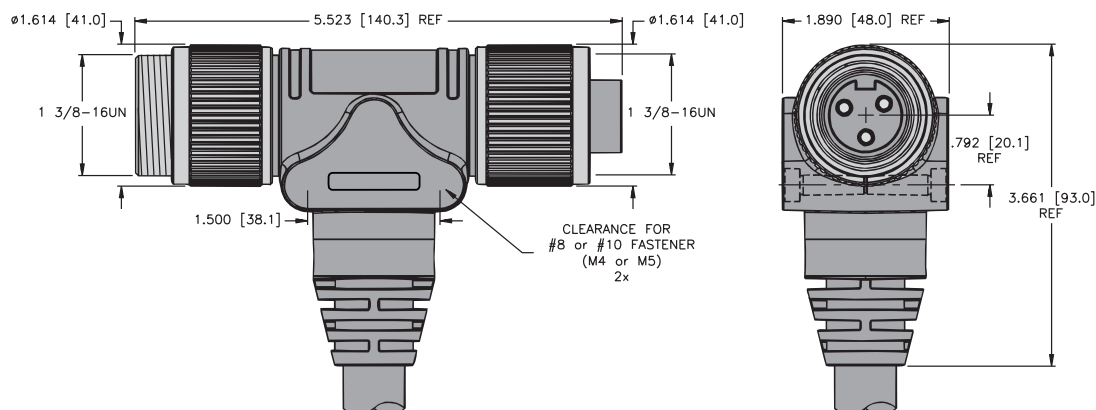
† Drop current rating of 15 amps.

Note: Extension cables are available, please consult Part Number Key (page 11).

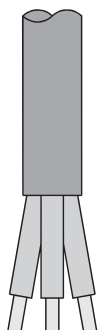
Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 11) for anodized aluminum and 316 stainless steel options.

D-Size 1 3/8" powerfast Tee Dimensions

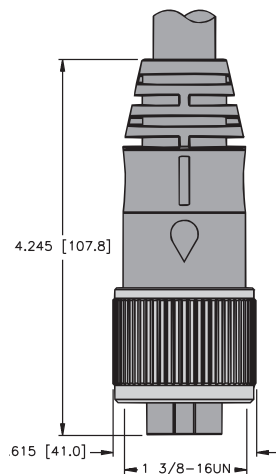
Tee with Cable Drop and Connector Options



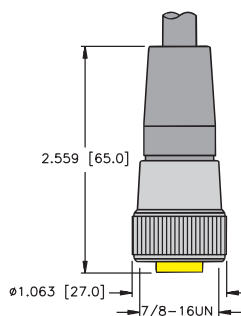
14 Cable Drop
GSDM/GKDM/T..



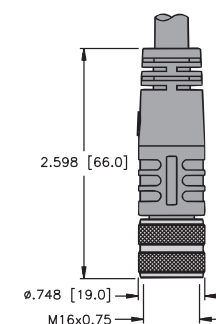
15 D-Size Power Connector
GSDM/2GKDM..



16 A-Size Power Connector
GSDM/GKDM/RKM..



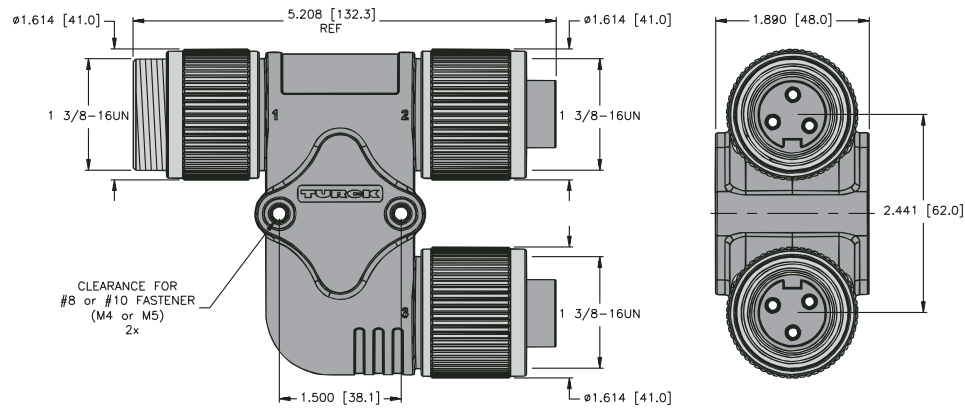
17 M16 Power Connector
GSDM/GKDM/BKM..



D-Size 1 3/8" powerfast h-Style Tee Dimensions

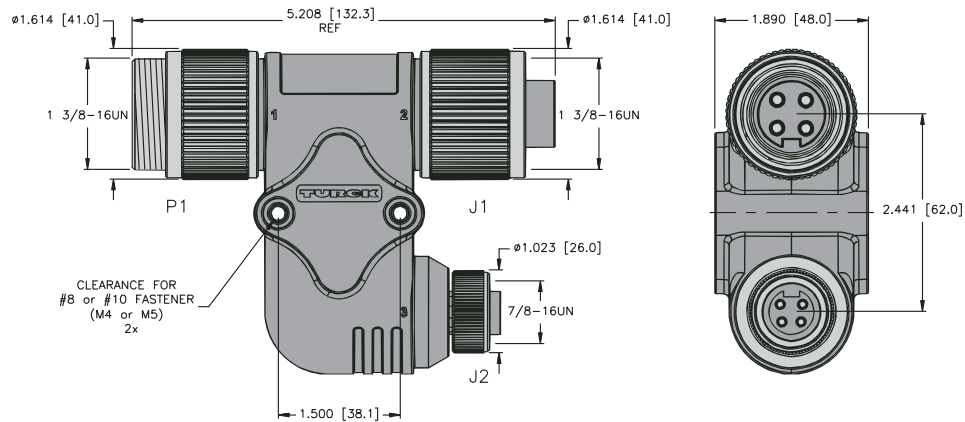
18

Integral D-Size Power Connector Drop SH-GSDM/2GKDM..



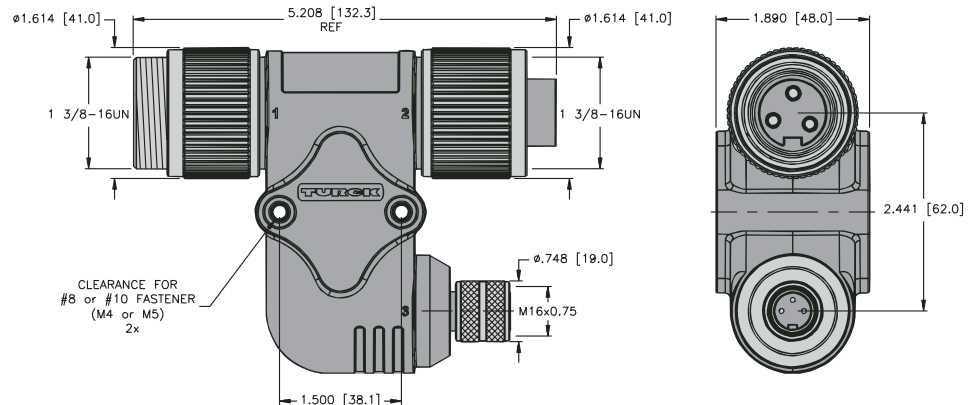
19

Integral A-Size Power Connector Drop SH-GSDM/GKDM/RKM..



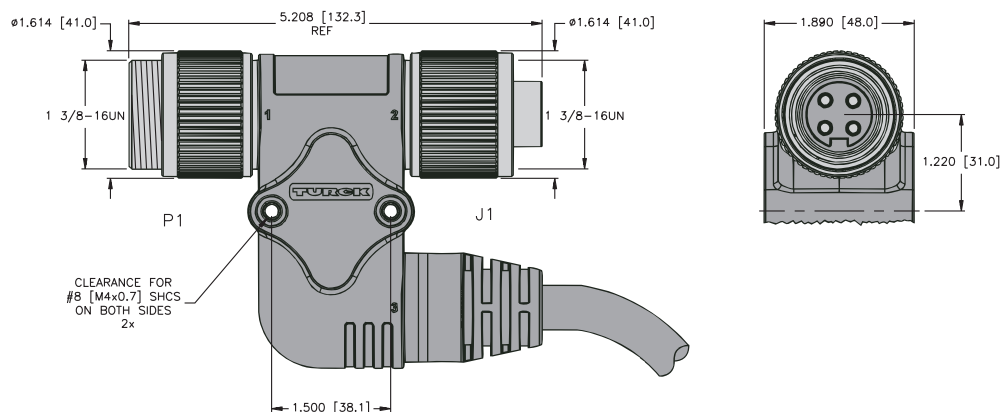
20

Integral M16 Power Connector Drop SH-GSDM/GKDM/BKM..

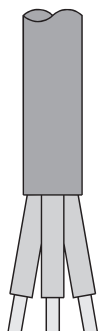


D-Size 1 3/8" powerfast h-Style Tee Dimensions

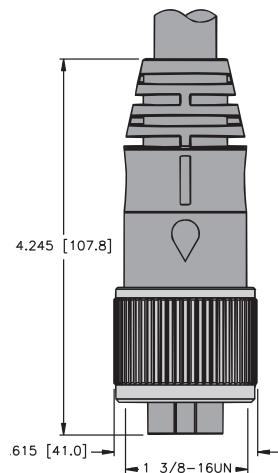
h-Style Tee with Cable Drop and Connector Options



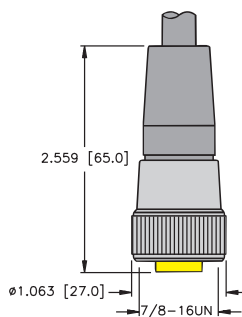
**21 Cable Drop
SH-GSDM/GKDM/T**



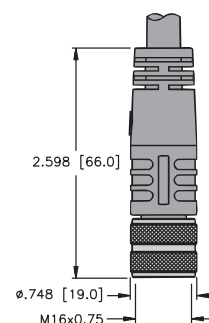
**22 D-Size Power Connector
SH-GSDM/2GKDM..**



**23 A-Size Power Connector
SH-GSDM/GKDM/RKM..**





**24 M16 Power Connector
SH-GSDM/GKDM/BKM..**



D-Size 1 3/8" powerfast Power Reducer Specifications

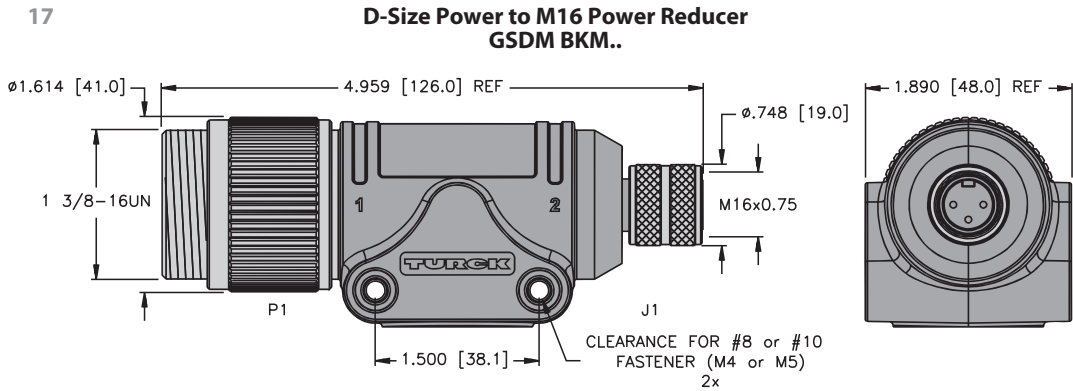
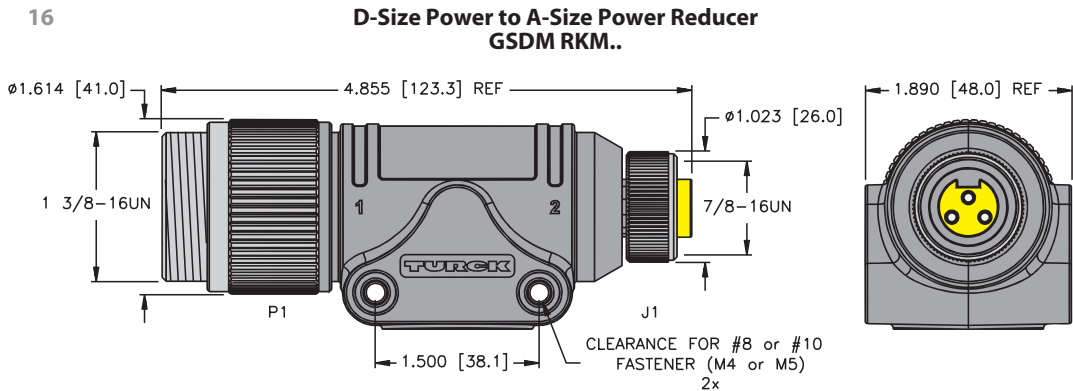
Mechanical		Electrical	
Mold material/Color:	PVC/Black	Contact material:	Brass or copper with gold plating
Contact carrier material:	PVC	Ratings:	15 Amps, 600 VAC
Coupling nut material:			
Standard:	Nickel plated brass		
Additional options:	Anodized aluminum		
	316 stainless steel		
Environmental protection:	NEMA 1, 3, 4, 6P and IEC IP67, IP68, IP69K		
Temperature rating:	-40 to +90°C (-40 to +194°F)		

D-Size 1 3/8" powerfast Power Reducer Selection Matrix

			16	17
				
Pins	Drop AWG	Current Rating	D-Size Power to A-Size Power Reducer	D-Size Power to M16 Power Reducer
3	14	Up to 15 Amps	GSDM RKM 34-0	GSDM BKM 34-0
4	14	Up to 15 Amps	GSDM RKM 44-0	GSDM BKM 44-0

See page 20 for dimensional drawings.
Note: Standard coupling nut material is nickel plated brass. Consult factory for anodized aluminum and 316 stainless steel options.

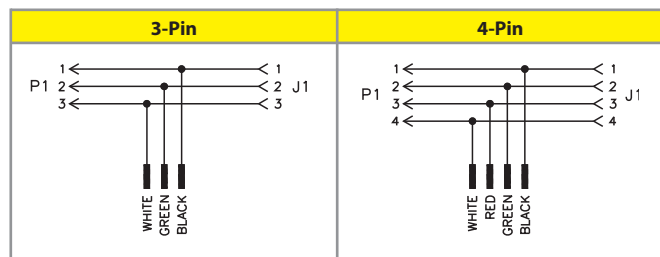
D-Size 1 3/8" powerfast Power Reducer Dimensions



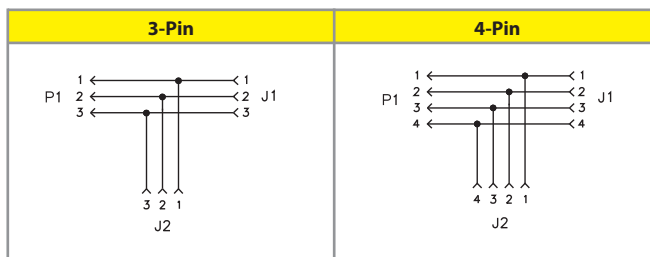
D-Size 1 3/8" powerfast

D-Size 1 3/8" powerfast Tee Wiring Diagrams

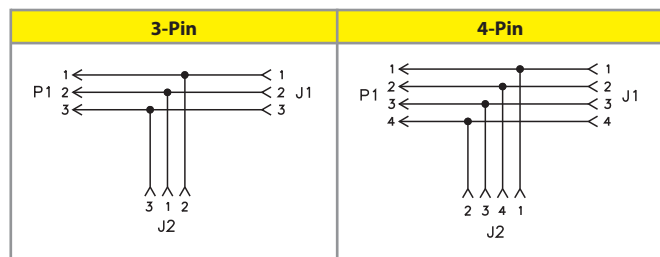
Cable Drop



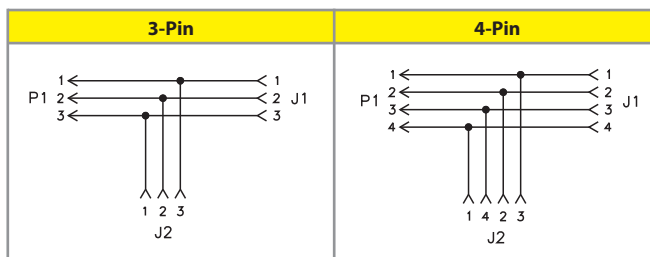
D-Size Power Drop



A-Size Power Drop

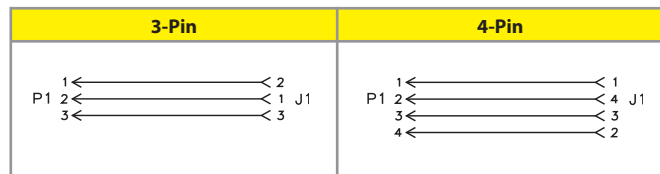


M16 Power Drop

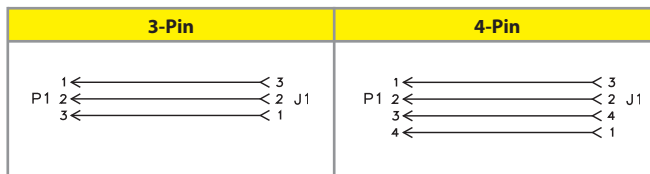


D-Size 1 3/8" powerfast Power Reducer Wiring Diagrams

D-Size Power to A-Size Power

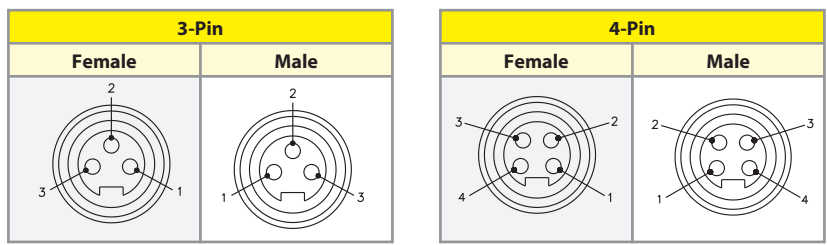


D-Size Power to M16 Power

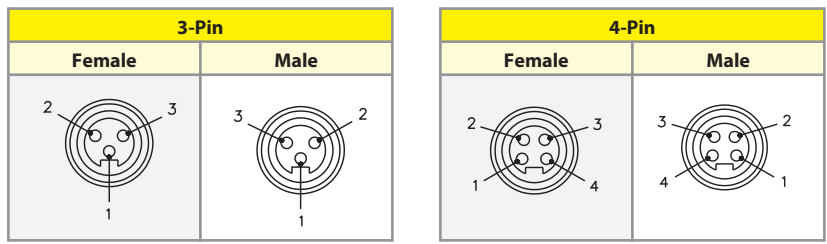


D-Size 1 3/8" powerfast Tee and Power Reducer Pinouts

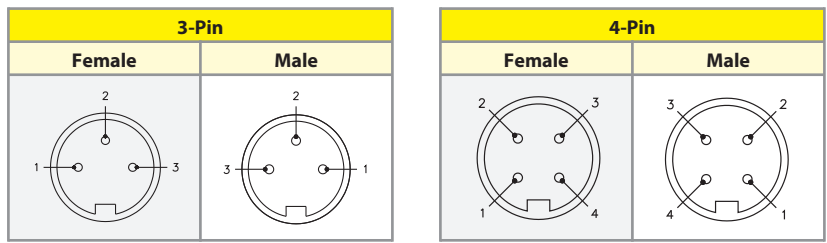
D-Size Power



A-Size Power



M16 Power



D-Size 1 3/8" powerfast Closure Cap Selection Matrix

		18	19	20	21	22	23
		Mates to male cordsets and receptacles	Mates to female cordsets and receptacles	Mates to male receptacles	Mates to female receptacles	Mates to male cordsets and receptacles	Mates to female cordsets and receptacles
Material	Thread	6" SS Loop Lanyard	6" SS Loop Lanyard	7" SS Lanyard with Eyelet	7" SS Lanyard with Eyelet	No Lanyard	No Lanyard
Nickel Plated Brass	1 3/8-16UN	GKDM-CC	GSDM-CC	GKDF-CC	GSDF-CC	GKDM-MC	GSDM-MC

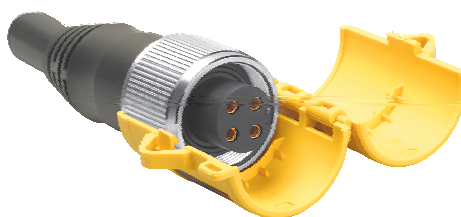
See table below for dimensional drawings.

D-Size 1 3/8" powerfast Closure Cap Dimensions

<p>18 GKDM-CC</p>	<p>19 GSDM-CC</p>	<p>20 GKDF-CC</p>
<p>21 GSDF-CC</p>	<p>22 GKDM-MC</p>	<p>23 GSDM-MC</p>

D-Size 1 3/8" powerlok

Part Number	Application
LOCK-D POWER	Nylon locking guard for straight or right angle D-Size powerfast connectors



D-Size powerlok Open



D-Size powerlok Closed

Part Number Keys	J26
Cordset, Receptacle and Field Wireable Specifications	J28
Cordset, Receptacle and Field Wireable Selection Matrix	J28
Cordset, Receptacle and Field Wireable Dimensions	J30
Cordset, Receptacle and Field Wireable Pinouts	J31
Tee Specifications	J32
Tee Selection Matrix	J32
Tee Dimensions	J33
Tee Wiring Diagrams	J39
Tee Pinouts	J39
Closure Caps	J40
powerlok Accessories	J40

Features

- Ideal for small motor applications
- Shielded versions available
- Multiple tee configurations
- 2 to 4-pin
- 12 and 14 AWG conductors
- Up to 18 Amp, 600 Volt rated
- Tray rated-exposed run PVC cable
- IEC IP67 protection



M16 powerfast Cordset Part Number Key

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

B S M	34-198 - * / S..
M16 (16 mm) powerfast Cordset	Varieties
Gender	/S = consult factory, special /CS = consult factory, special
K = female connector S = male connector	Length in Meters
Configuration	Number of Wires / AWG / Color Code
M = straight WM = right angle	22-380 = 2x12 AWG WH, BK 34-198 = 3x14 AWG WH, GN, BK 44-193 = 4x14 AWG WH, GN, BK, RD
Coupling Nut Material	Insertion Point of Extension Cable 2nd Prefix*
(blank) = nickel plated brass K = nylon V = 316 stainless steel	* Male connector listed 1st, female connector 2nd Example: BSM BKM 34-198*

Extension Example:

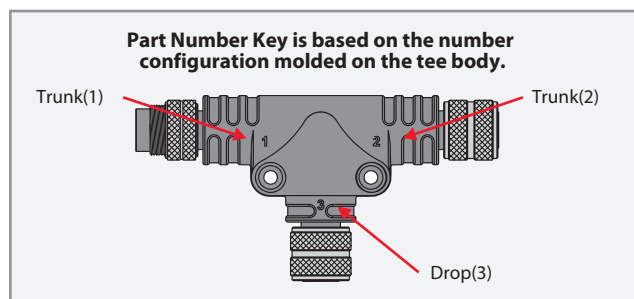


B S M **B K M** **34-198** - *****

M16 powerfast Tee Part Number Key

B S M / 2BKM	34 - 198 - * - / S..
M16 (16 mm) powerfast	Varieties
Trunk(1) Identifier	/S = consult factory, special /CS = consult factory, special
K = female connector S = male connector	Length in Meters
Configuration	(blank) = connector only * = drop cable */*/ = trunk(1) cable / trunk(2) cable / drop(3) cable
M = straight	AWG / Color Code
Coupling Nut Material	(blank) = connector only 380 = 2x12 AWG, WH, BK 198 = 3x14 AWG, WH, GN, BK 193 = 4x14 AWG, WH, GN, BK, RD
Trunk(2) and Drop(3) Identifiers	Number of Pins
2BKM = female trunk(2) and female drop(3) BSM/BKM = male trunk(2) and female drop(3) BKM/T = female trunk(2) and cable drop(3)	22 = 2 34 = 3 44 = 4

Note: Only one male connector per tee available.



Tee Examples:

B S M / **2 B K M** **34** - **198** - *****

B S M / **2 B K M** **44**

M16 powerfast Receptacle Part Number Key

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

B	K	F			22	-	*	/14.5/NPT
M16 (16 mm) powerfast Receptacle					Thread Type			
Gender					/14.5/NPT = 1/2-14NPT threads /18.375/NPT = 3/8-18NPT threads /M20 = M20 threads /M18 = M18 threads			
K = female receptacle S = male receptacle					Length in Meters			
Designator for Receptacle								
Housing Style					Number of Wires / AWG / Color Code			
(blank) = front mount D = rear mount					22 = 2x12 AWG WH, BK 34 = 3x14 AWG WH, GN, BK 44 = 4x14 AWG WH, GN, BK, RD			
Housing Material								
(blank) = nickel plated brass V = 316 stainless steel								

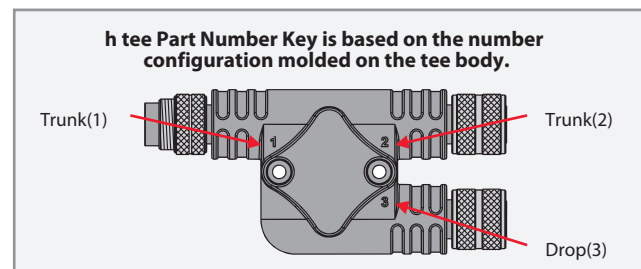
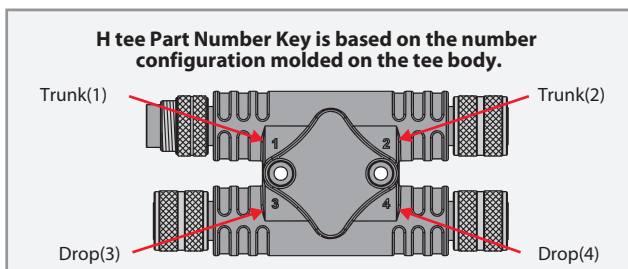
M16 powerfast H/h Style Tee Part Number Key

BH	-	B	S	M		/	2BKM	34	-	198	-	*	-	/S..
H/h Style								Varieties						
BH = big H SH = small h								/S = consult factory, special /CS = consult factory, special						
M16 (16 mm) powerfast								Length in Meters						
Trunk(1) Identifier								(blank) = connector only * = drop cable */** = trunk(1) cable / trunk(2) cable / drop(3) cable */**/* = trunk(1) cable / trunk(2) cable / drop(3) cable / drop(4) cable						
K = female connector S = male connector								AWG / Color Code						
Configuration								(blank) = connector only 380 = 2x12 AWG, WH, BK 198 = 3x14 AWG, WH, GN, BK 193 = 4x14 AWG, WH, GN, BK, RD						
M = straight								Number of Pins						
Coupling Nut Material								22 = 2 34 = 3 44 = 4						
(blank) = nickel plated brass K = nylon V = 316 stainless steel														
Trunk(2) and Drop(3&4) Identifiers														
2BKM = female trunk(2) and female drop(3) (h) BSM/BKM = male trunk(2) and female drop(3) (h) BKM/T = female trunk(2) and cable drop (3) (h) 3BKM = female trunk(2) and female drops(3&4) (H) BSM/2BKM = male trunk(2) and female drops(3&4) (H)														

Tee Examples:

BH	-	B	S	M	/	3	B	K	M	34	-	198	-	*
SH	-	B	K	M	/	B	S	M	/	B	K	M	44	

Note: Only one male connector per tee.



M16 powerfast Cordset Specifications

Mechanical

Mold material/Color:	PUR/Black
Contact carrier material:	PUR
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	IEC IP67
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Cable jacket material/Color:	TC-ER PVC/Black
Ratings:	15-18 Amps, 600 V



M16 powerfast Receptacle Specifications

Mechanical

Contact carrier material:	PUR
Housing material/Plating:	
Standard:	Nickel plated brass
Additional options:	316 stainless steel
O-Ring material:	Nitrile (BUNA N)
Environmental protection:	IEC IP67
Temperature rating:	-40 to +105°C (-40 to +221°F)

Electrical

Contact material:	Brass or copper with gold plating
Conductor insulation:	PVC
Ratings:	15-18 Amps, 600 V



M16 powerfast Field Wireable Specifications





Mechanical

Housing material/Color:	Glass filled nylon or PVC/Black
Contact carrier material:	PUR
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	NEMA 6P and IEC IP67
Temperature rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass or copper with gold plating
Ratings:	15-18 Amps, 600 VAC

M16 powerfast Cordset Selection Matrix

			1 	2 	3 	4 
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	TC-ER	TC-ER	TC-ER	TC-ER
2	12	18 Amps	BKM 22-380-*	BSM 22-380-*	BKWM 22-380-*	BSWM 22-380-*
3	14	15 Amps	BKM 34-198-*	BSM 34-198-*	BKWM 34-198-*	BSWM 34-198-*
4	14	15 Amps	BKM 44-193-*	BSM 44-193-*	BKWM 44-193-*	BSWM 44-193-*

Pins	AWG	Current Rating	SHIELDED TC-ER	SHIELDED TC-ER	SHIELDED TC-ER	SHIELDED TC-ER
2	12	18 Amps	BKMS 22-1759-*	BSMS 22-1759-*	BKWS 22-1759-*	BSWS 22-1759-*
3	14	15 Amps	BKMS 34-1364-*	BSMS 34-1364-*	BKWS 34-1364-*	BSWS 34-1364-*
4	14	15 Amps	BKMS 44-1363-*	BSMS 44-1363-*	BKWS 44-1363-*	BSWS 44-1363-*





See pages 30-31 for dimensional drawings.





* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.



Note: Extension cables are available, please consult Part Number Key (page 26).

Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 26) for nylon and 316 stainless steel options.

M16 powerfast Receptacle Selection Matrix

Front Mount			5 	6 	7 	8 
			Female	Male	Female	Male
Pins	AWG	Current Rating	1/2-14NPT Mounting Thread	1/2-14NPT Mounting Thread	3/8-18NPT Mounting Thread	3/8-18NPT Mounting Thread
2	12	18 Amps	BKF 22-*/14.5/NPT	BSF 22-*/14.5/NPT	BKF 22-*/18.375/NPT	BSF 22-*/18.375/NPT
3	14	15 Amps	BKF 34-*/14.5/NPT	BSF 34-*/14.5/NPT	BKF 34-*/18.375/NPT	BSF 34-*/18.375/NPT
4	14	15 Amps	BKF 44-*/14.5/NPT	BSF 44-*/14.5/NPT	BKF 44-*/18.375/NPT	BSF 44-*/18.375/NPT

Front Mount			9 	10 	11 	12 
			Female	Male	Female	Male
Pins	AWG	Current Rating	M18 Mounting Thread	M18 Mounting Thread	M20 Mounting Thread	M20 Mounting Thread
2	12	18 Amps	BKF 22-*/M18	BSF 22-*/M18	BKF 22-*/M20	BSF 22-*/M20
3	14	15 Amps	BKF 34-*/M18	BSF 34-*/M18	BKF 34-*/M20	BSF 34-*/M20
4	14	15 Amps	BKF 44-*/M18	BSF 44-*/M18	BKF 44-*/M20	BSF 44-*/M20

Rear Mount			13 	14 
			Female	Male
Pins	AWG	Current Rating	M18 Mounting Thread	M18 Mounting Thread
2	12	18 Amps	BKFD 22-*/M18	BSFD 22-*/M18
3	14	15 Amps	BKFD 34-*/M18	BSFD 34-*/M18
4	14	15 Amps	BKFD 44-*/M18	BSFD 44-*/M18



See pages 30-31 for dimensional drawings.

* Length in meters. Standard lead length is 0.5 meters. Consult factory for other lengths.

Note: Standard housing material is nickel plated brass. Consult Part Number Key (page 27) for 316 stainless steel options.

M16 powerfast

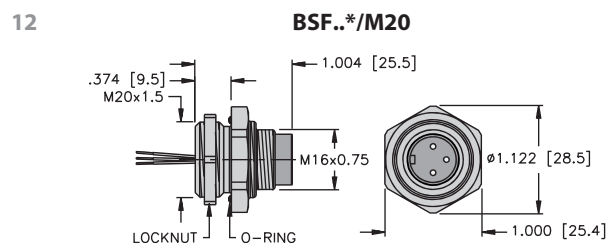
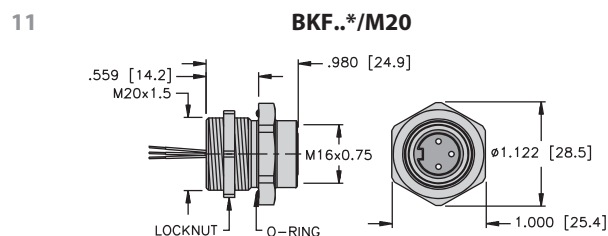
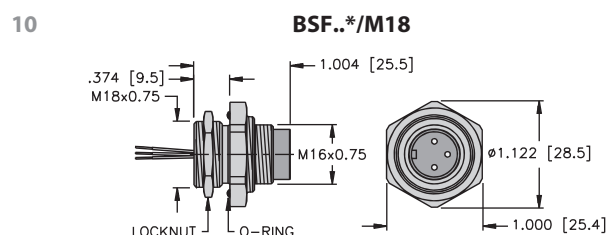
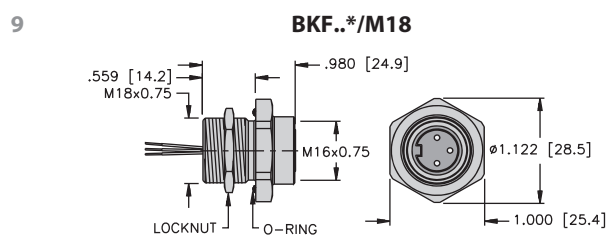
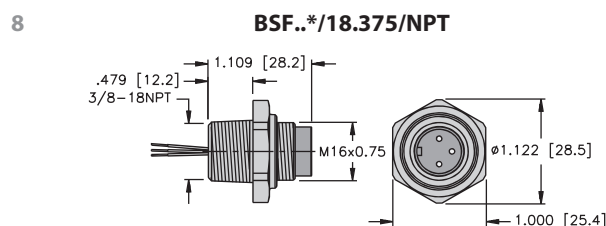
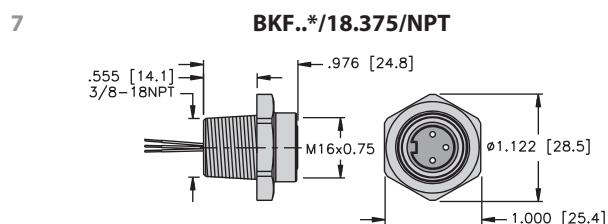
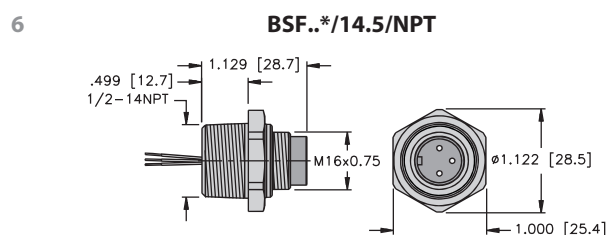
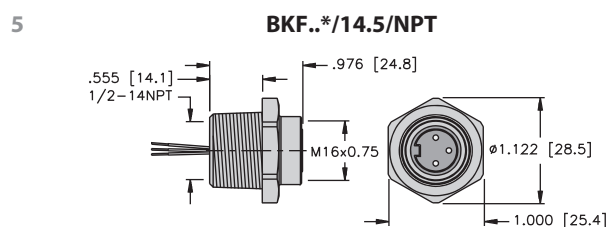
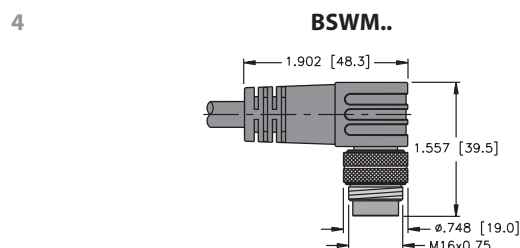
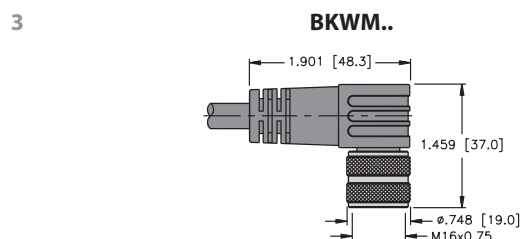
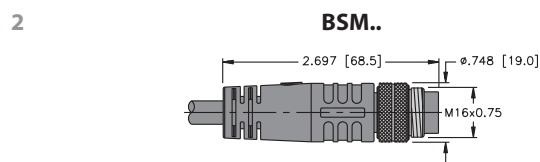
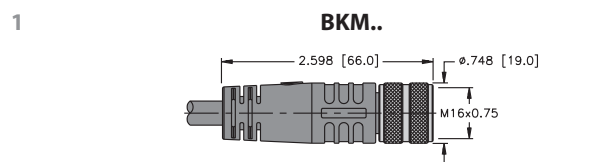
M16 powerfast Field Wireable Selection Matrix

			15 	16 
			Straight Female, PG 11 Cable Gland Accepts 8-11 mm Cable Diameter	Straight Male, PG 11 Cable Gland Accepts 8-11 mm Cable Diameter
Pins	Acceptable Conductor AWG	Current Rating	Screw Terminal	Screw Terminal
2	12	18 Amps	BK 22-0	BS 22-0
3	14	15 Amps	BK 34-0	BS 34-0
4	14	15 Amps	BK 44-0	BS 44-0

See pages 30-31 for dimensional drawings.

Note: Standard coupling nut material is nickel plated brass. Consult factory for nylon and 316 stainless steel options.

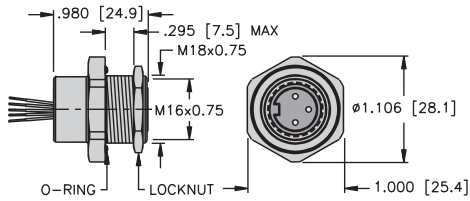
M16 powerfast Cordset, Receptacle and Field Wireable Dimensions



M16 powerfast Cordset, Receptacle and Field Wireable Dimensions

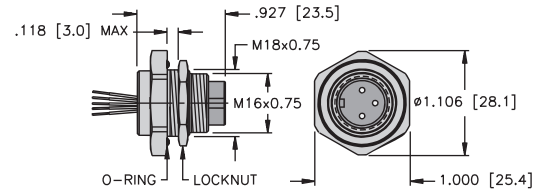
13

BKFD../M18



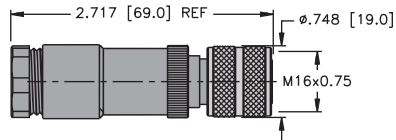
14

BSFD../M18



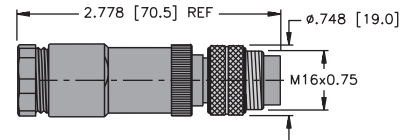
15

BK..



16

BS..



M16 powerfast Cordset, Receptacle and Field Wireable Pinouts

2-Pin		Pinouts
Female	Male	
		1. WH 2. BK

3-Pin		Pinouts
Female	Male	
		1. WH 2. GN 3. BK

4-Pin		Pinouts
Female	Male	
		1. WH 2. GN 3. BK 4. RD

M16 powerfast Tee Specifications

Mechanical

Mold material/Color:	PUR/Black
Contact carrier material:	PUR
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel

Environmental Protection: IEC IP67

Temperature Rating:





Integral connector version:	-40 to +105°C (-40 to +221°F)
Cable version:	-40 to +90°C (-40 to +194°F)

Electrical





Contact material:	Brass or copper with gold plating
Cable jacket material/Color:	TC-ER PVC/Black
Ratings:	15-18 Amps, 600 V







M16 powerfast Tee Selection Matrix

			17 	18 	19 	20 
			Integral M16 Power Connector Drop	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors	Cable Drop
Pins	AWG	Current Rating		TC-ER	TC-ER	TC-ER
2	12	18 Amps	BSM/2BKM 22	BSM/2BKM 22-380-*	BSM/2BKM 22-380-*/**	BSM/BKM/T22-380-*
3	14	15 Amps	BSM/2BKM 34	BSM/2BKM 34-198-*	BSM/2BKM 34-198-*/**	BSM/BKM/T34-198-*
4	14	15 Amps	BSM/2BKM 44	BSM/2BKM 44-193-*	BSM/2BKM 44-193-*/**	BSM/BKM/T44-193-*

M16 powerfast h-Style Tee Selection Matrix

			21 	22 	23 	24 
Trunk #1: Male Connector			Integral M16 Power Connector Drop	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors	Cable Drop
Pins	AWG	Current Rating		TC-ER	TC-ER	TC-ER
2	12	18 Amps	SH-BSM/2BKM 22	SH-BSM/2BKM 22-380-*	SH-BSM/2BKM 22-380-*/**	SH-BSM/BKM/T22-380-*
3	14	15 Amps	SH-BSM/2BKM 34	SH-BSM/2BKM 34-198-*	SH-BSM/2BKM 34-198-*/**	SH-BSM/BKM/T34-198-*
4	14	15 Amps	SH-BSM/2BKM 44	SH-BSM/2BKM 44-193-*	SH-BSM/2BKM 44-193-*/**	SH-BSM/BKM/T44-193-*




			25 	26 	27 	28 
Trunk #2: Male Connector			Integral M16 Power Connector Drop	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors	Cable Drop
Pins	AWG	Current Rating		TC-ER	TC-ER	TC-ER
2	12	18 Amps	SH-BKM/BSM/BKM 22	SH-BKM/BSM/BKM 22-380-*	SH-BKM/BSM/BKM 22-380-*/**	SH-BKM/BSM/T22-380-*
3	14	15 Amps	SH-BKM/BSM/BKM 34	SH-BKM/BSM/BKM 34-198-*	SH-BKM/BSM/BKM 34-198-*/**	SH-BKM/BSM/T34-198-*
4	14	15 Amps	SH-BKM/BSM/BKM 44	SH-BKM/BSM/BKM 44-193-*	SH-BKM/BSM/BKM 44-193-*/**	SH-BKM/BSM/T44-193-*

See pages 33-38 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Consult factory for other lengths.

Note: Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 27) for nylon and 316 stainless steel options.

M16 powerfast

			32 	33 	34 
Trunk #2: Male Connector			Integral M16 Power Connector Drop	Cable Drop with M16 Power Connector	Cable Trunk and Cable Drop with M16 Power Connectors
Pins	AWG	Current Rating		TC-ER	TC-ER
2	12	18 Amps	BH-BKM/BSM/2BKM 22	BH-BKM/BSM/2BKM 22-380-*	BH-BKM/BSM/2BKM 22-380-*/*/*/*
3	14	15 Amps	BH-BKM/BSM/2BKM 34	BH-BKM/BSM/2BKM 34-198-*	BH-BKM/BSM/2BKM 34-198-*/*/*/*
4	14	15 Amps	BH-BKM/BSM/2BKM 44	BH-BKM/BSM/2BKM 44-193-*	BH-BKM/BSM/2BKM 44-193-*/*/*/*

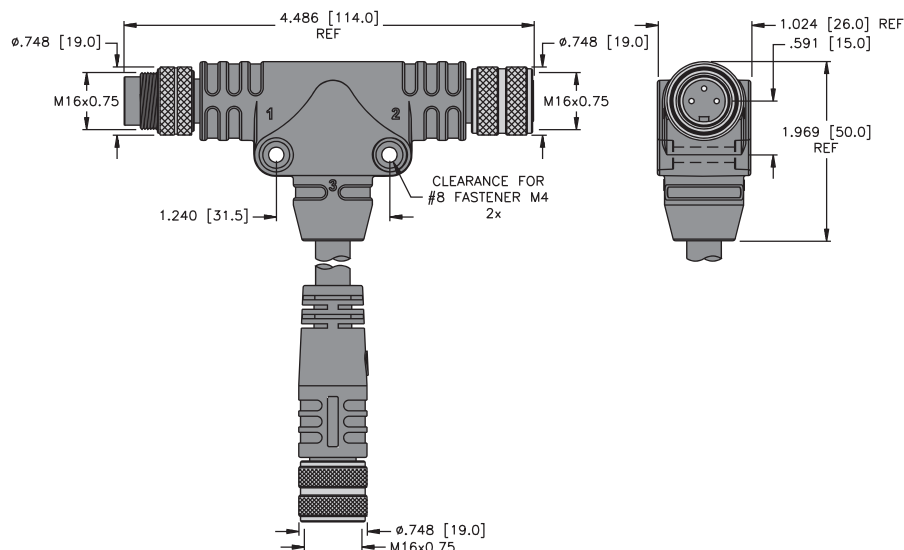
Note: Standard coupling nut material is nickel plated brass. Consult Part Number Key (page 27) for nylon and 316 stainless steel options.

[illegible]

M16 powerfast Tee Dimensions

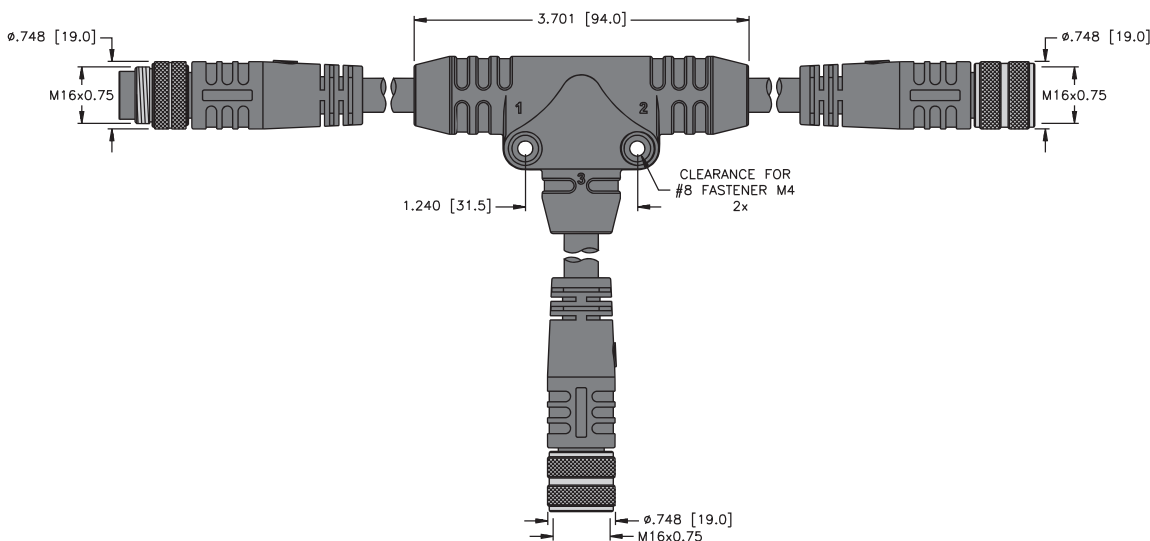
18

**Cable Drop with M16 Power Connector
BSM/2BKM..**



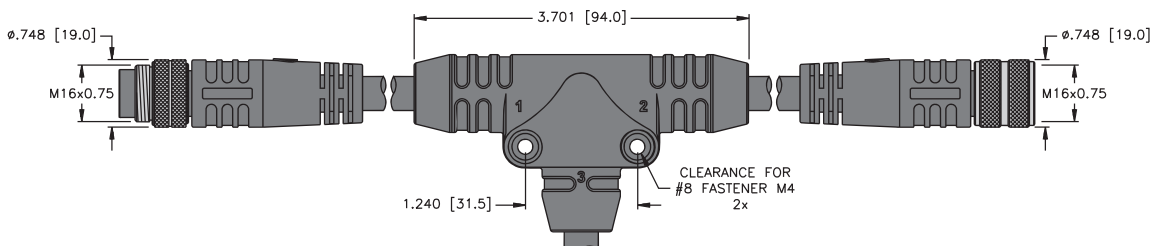
19

**Cable Trunk and Cable Drop with M16 Power Connectors
BSM/2BKM..**



20

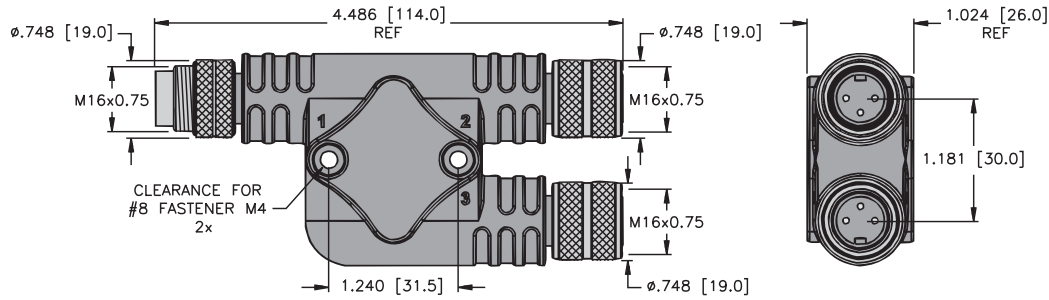
**Cable Drop
BSM/BKM/T..**



M16 powerfast h-Style Tee Dimensions

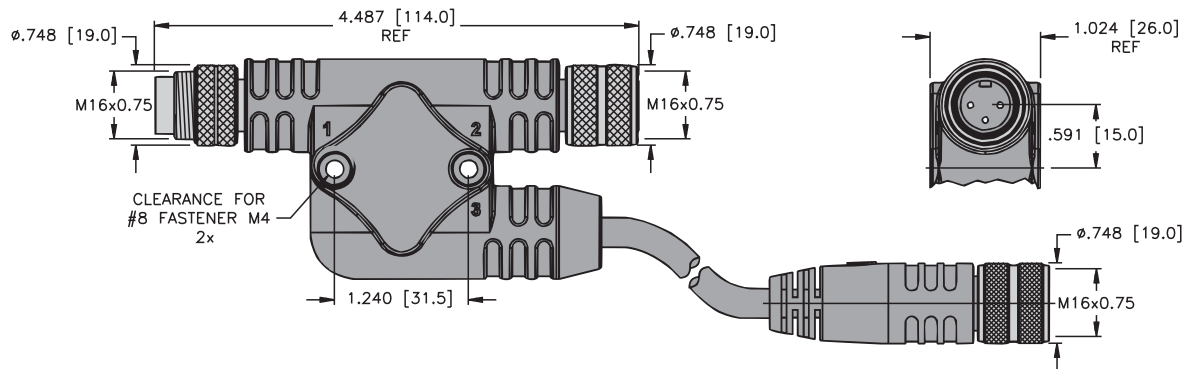
21

**Integral M16 Power Connector Drop, Trunk #1 Male
SH-BSM/2BKM..**



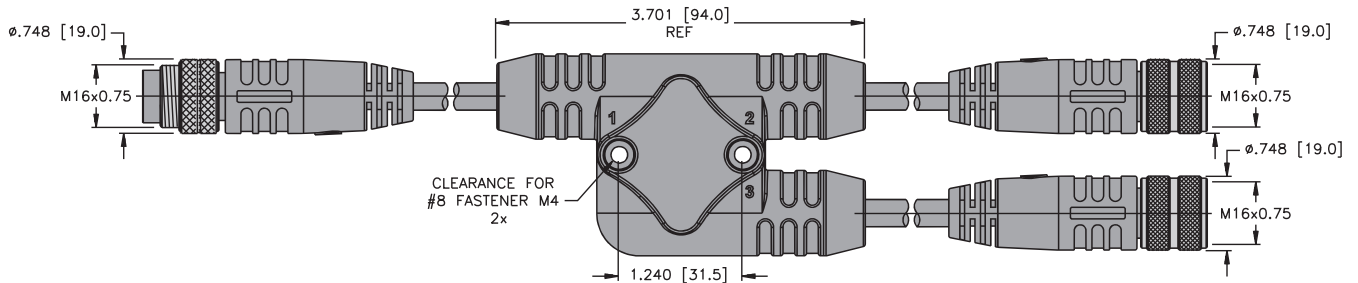
22

**Cable Drop with M16 Power Connector, Trunk #1 Male
SH-BSM/2BKM..**



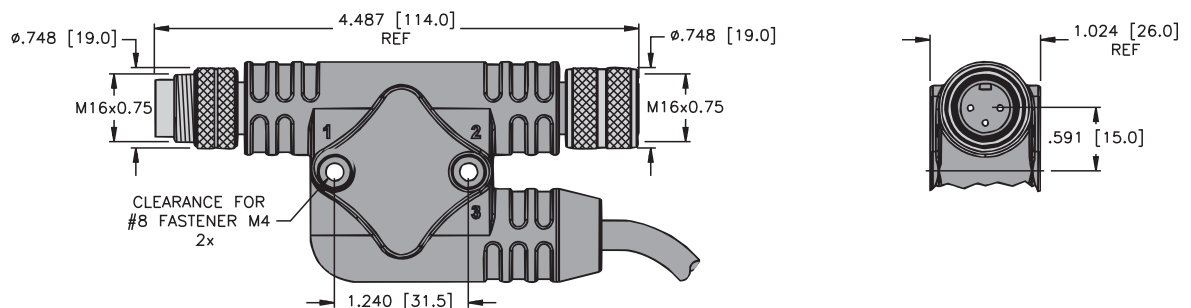
23

**Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #1 Male
SH-BSM/2BKM..**



24

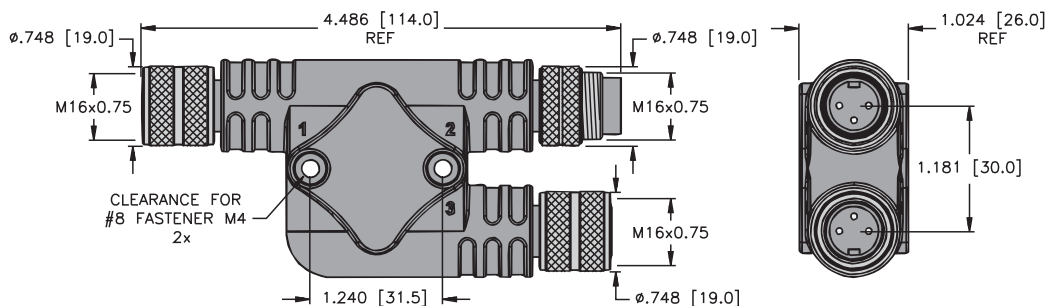
**Cable Drop, Trunk #1 Male
SH-BSM/BKM/T..**



M16 powerfast h-Style Tee Dimensions

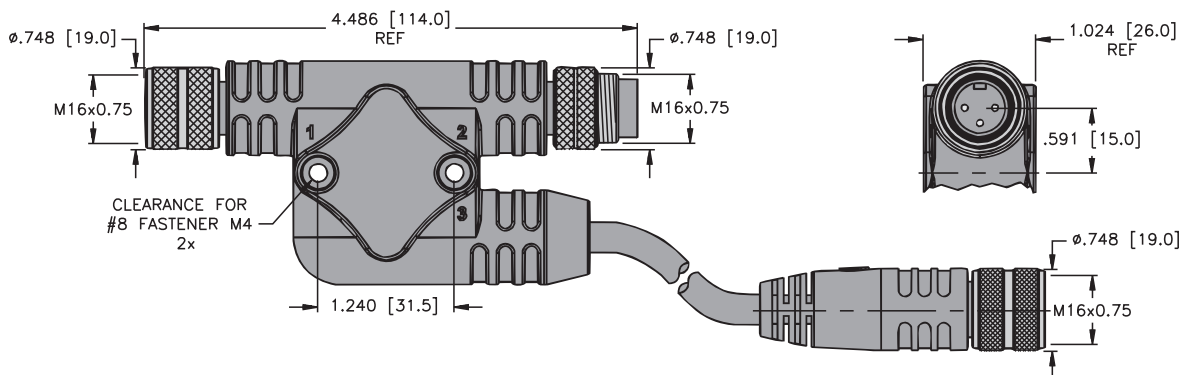
25

**Integral M16 Power Connector Drop, Trunk #2 Male
SH-BKM/BSM/BKM..**



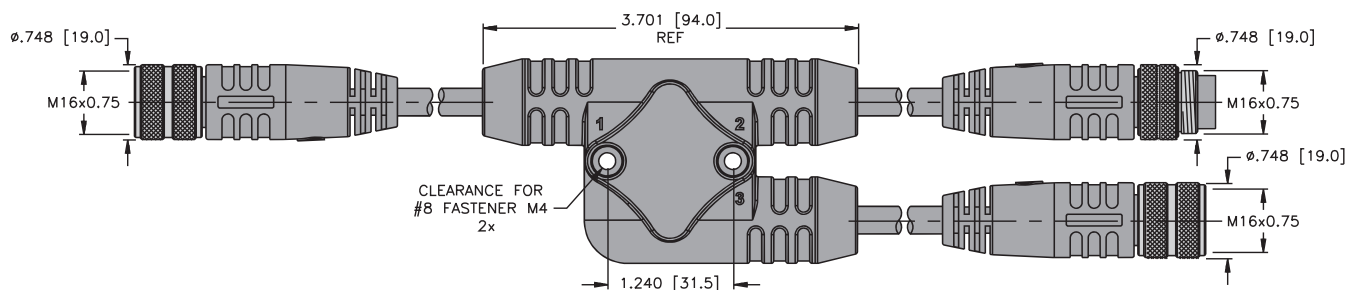
26

**Cable Drop with M16 Power Connector, Trunk #2 Male
SH-BKM/BSM/BKM..**



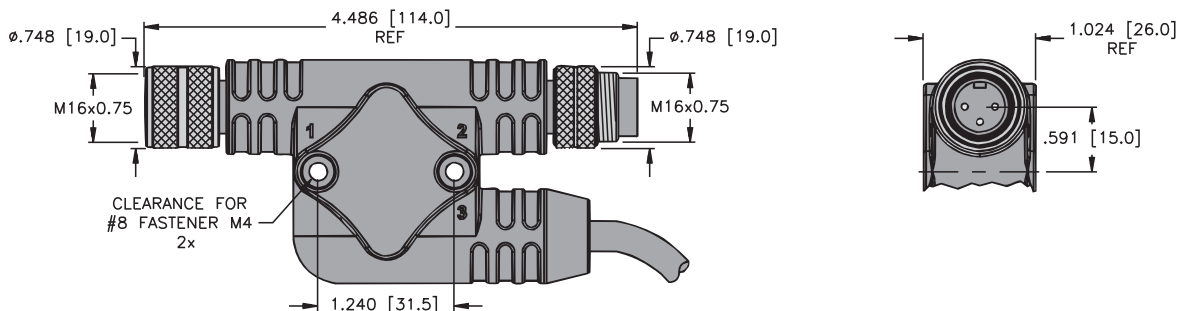
27

**Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #2 Male
SH-BKM/BSM/BKM..**



28

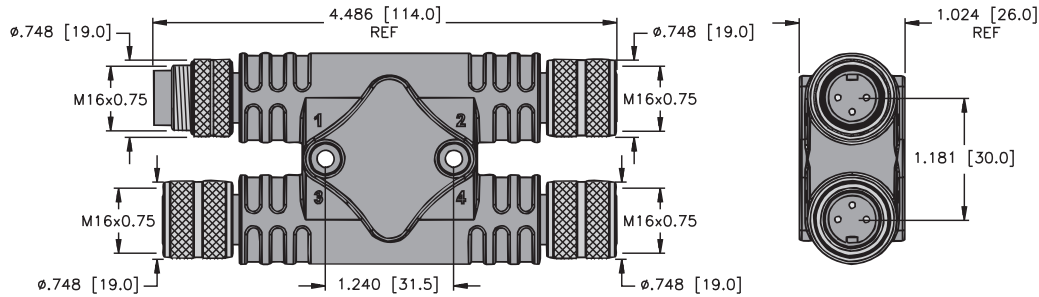
**Cable Drop, Trunk #2 Male
SH-BKM/BSM/T..**



M16 powerfast H-Style Tee Dimensions

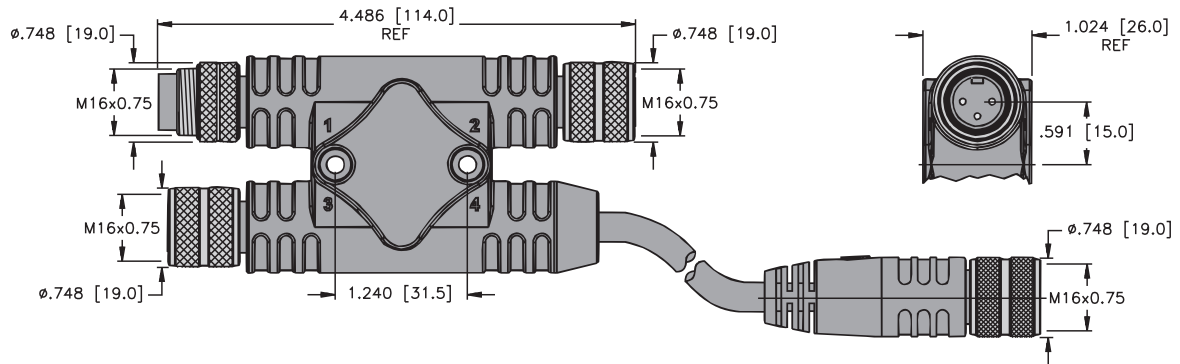
29

**Integral M16 Power Connector Drop, Trunk #1 Male
BH-BSM/3BKM..**



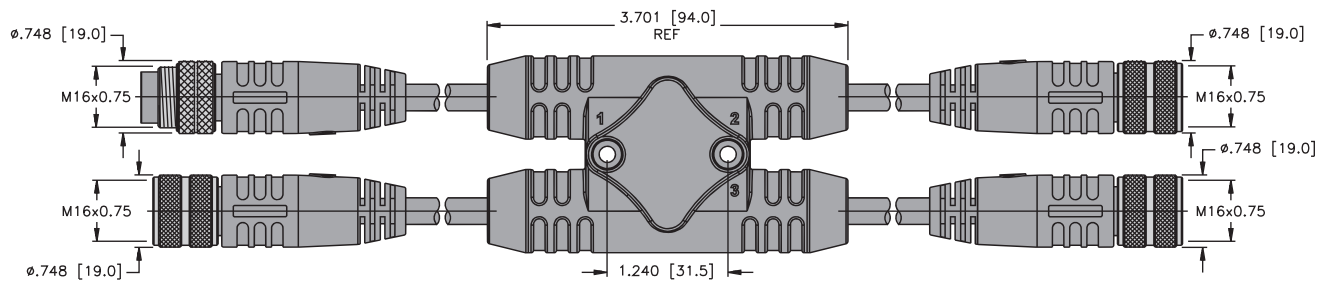
30

**Cable Drop with M16 Power Connector, Trunk #1 Male
BH-BSM/3BKM..**



31

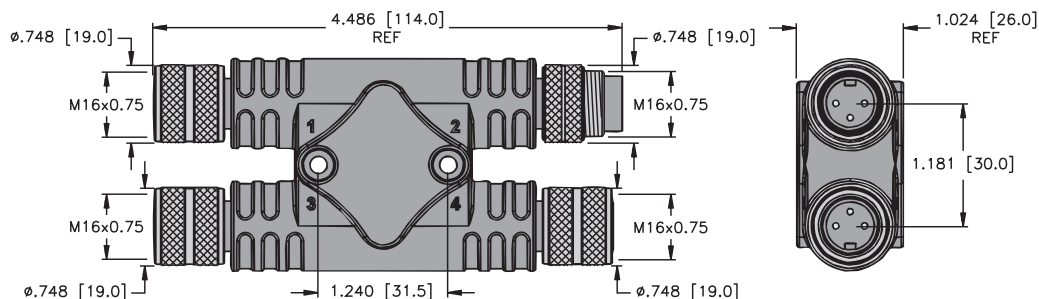
**Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #1 Male
BH-BSM/3BKM..**



M16 powerfast H-Style Tee Dimensions

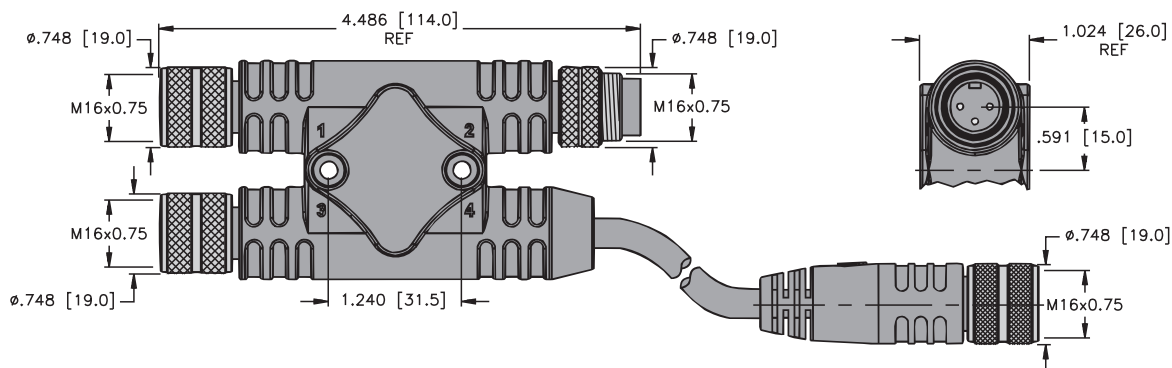
32

**Integral M16 Power Connector Drop, Trunk #2 Male
BH-BKM/BSM/2BKM..**



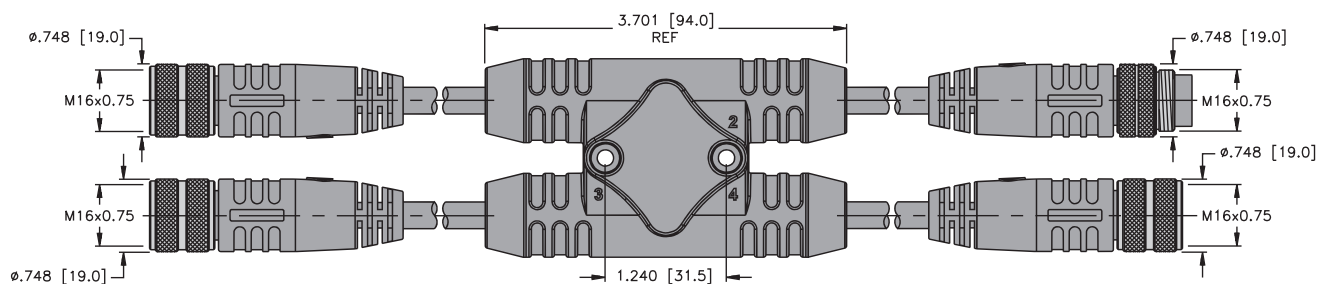
33

**Cable Drop with M16 Power Connector, Trunk #2 Male
BH-BKM/BSM/2BKM..**

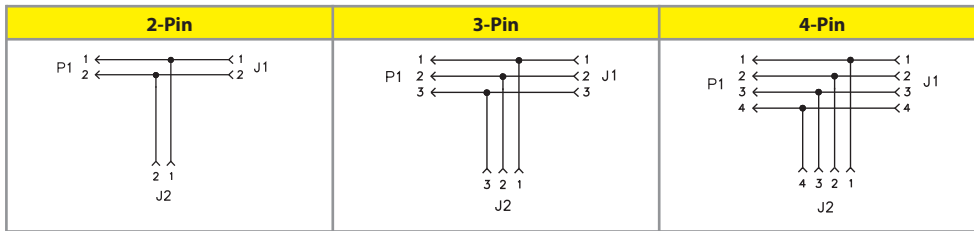


34

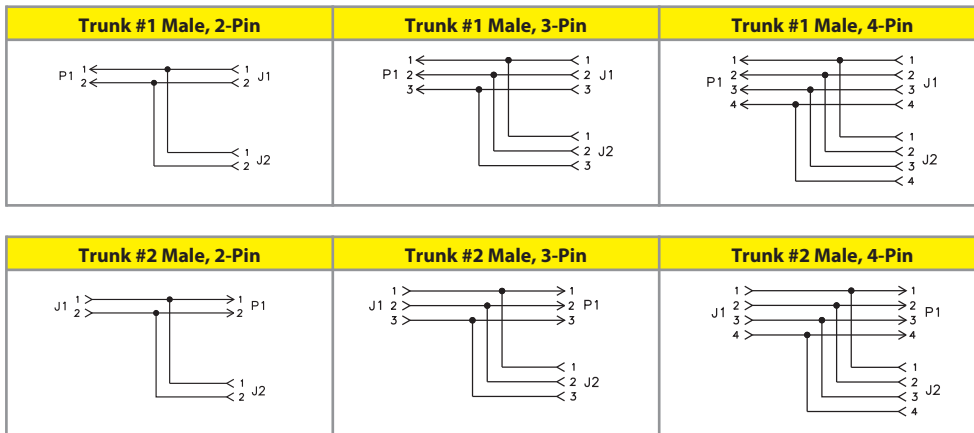
**Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #2 Male
BH-BKM/BSM/2BKM..**



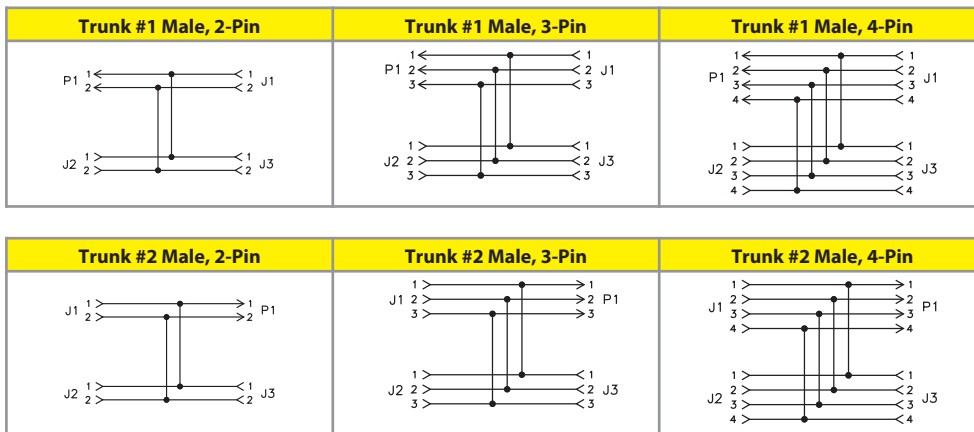
M16 powerfast Tee Wiring Diagrams



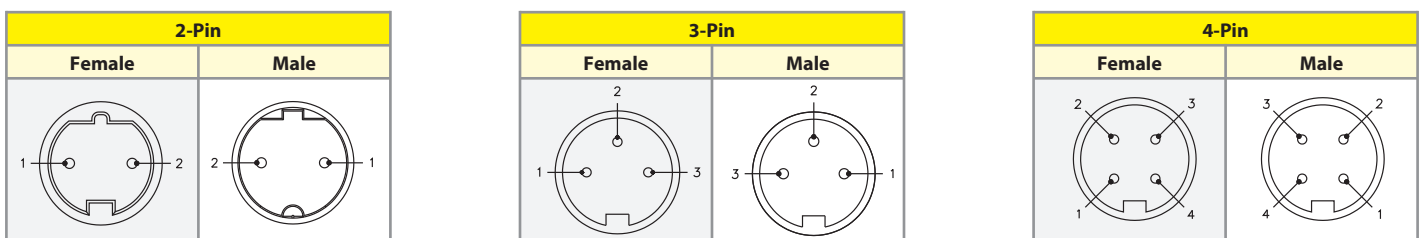
M16 powerfast h-Style Tee Wiring Diagrams



M16 powerfast H-Style Tee Wiring Diagrams



M16 powerfast Tee Pinouts



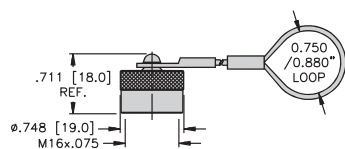
M16 powerfast Closure Cap Selection Matrix

		35	36	37	38	39	40
		Mates to male cordsets and receptacles	Mates to female cordsets and receptacles	Mates to male receptacles	Mates to female receptacles	Mates to male cordsets and receptacles	Mates to female cordsets and receptacles
Material	Thread	6" Loop Lanyard	6" Loop Lanyard	6" Lanyard with Eyelet	6" Lanyard with Eyelet	No Lanyard	No Lanyard
Nickel Plated Brass	M16	BKM-CC	BSM-CC	BKF-CC	BSK-CC	BKM-MC	BSM-MC

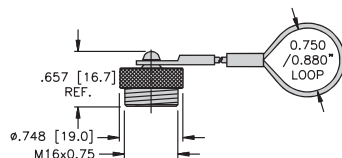
See table below for dimensional drawings.

M16 powerfast Closure Cap Dimensions

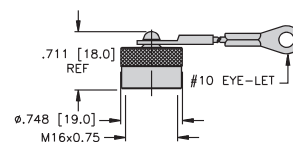
35 BKM-CC



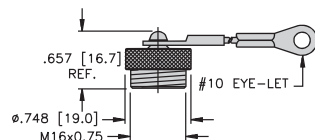
36 BSM-CC



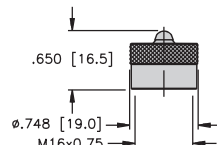
37 BKF-CC



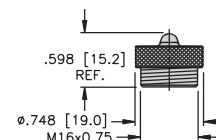
38 BSF-CC



39 BKM-MC



40 BSM-MC



M16 powerlok

Part Number	Application
LOCK-M16	Nylon locking guard for straight M16 powerfast connectors
LOCK-M16-TEE	



M16 powerlok Open



M16 powerlok Closed

Part Number Keys	J42
Cordset and Receptacle Specifications	J43
Cordset and Receptacle Selection Matrix	J44
Cordset and Receptacle Dimensions	J45
Cordset and Receptacle Pinouts	J46

Features

- Options for combination of power and signal wires in one cable
- Shielded versions available
- 6 to 9-pin
- 12 to 14 AWG conductors for power, 18 AWG conductors for signal
- Up to 30 Amp, 600 Volt rated for power
- Up to 8 Amp, 300 Volt rated for signal
- AWM or tray rated-exposed run PVC cable
- IEC IP67 protection

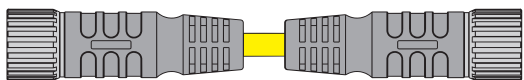


M23 powerfast Cordset Part Number Key

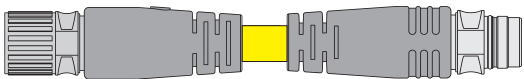
Part Number Keys are to assist in IDENTIFICATION ONLY. Consult factory for catalog items not identified.

M23 (23 mm) powerfast Cordset	C K M	64-078 - * /S..	Varieties (blank) = PVC jacket /S90 = PUR jacket
Gender K = female contact holder, female threads S = male contact holder, female threads SS = male contact holder, male threads			Length in Meters
Configuration M = straight WM = right angle (blank) = straight assembled connector			Number of Wires / AWG / Color Codes 64-078 = 6x14 AWG WH, RD, GN, OG, BK, BU 74-079 = 7x14 AWG WH/BK, BK, WH, RD, OG, BU, GN 94-080 = 3x14 & 6X18 AWG RD, WH, WH/BK, BU, OG, BK, GN/BK, GN, RD/BK 622-059 = 6x12 AWG BU, RD, GN, BN, OG, YE 822-287 = 4x12 & 4X18 AWG BU, GN, WH, BK, OG, RD, WH/BK, RD/BK 622-286 = 6x12 AWG BU, RD, GN, BN, OG, YE 822-288 = 4x12 & 4X18 AWG BU, GN, WH, BK, OG, RD, WH/BK, RD/BK
Coupling Nut Material / Shielding (blank) = nickel plated brass V = stainless steel S = shielded			Insertion Point of Extension Cable 2nd Prefix* * Male connector listed 1st, female connector 2nd Example: CSM CKM 64-078-1

Extension Examples:



C **K** **M** **C** **K** **M** **74-079** - ***** **/S..**



C **SS** **M** **C** **K** **M** **622-059** - ***** **/S..**

M23 powerfast Receptacle Part Number Key

M23 (23 mm) powerfast Receptacle	C K F	64-6 - *	Length in Meters
Gender K = female contact holder, male threads S = male contact holder, male threads			Number of Wires / AWG / Color Codes 64-6 = 6x14 AWG WH, RD, GN, OG, BK, BU 74-7 = 7x14 AWG WH/BK, BK, WH, RD, OG, BU, GN 94-9 = 3x14 & 6X18 AWG RD, WH, WH/BK, BU, OG, BK, GN/BK, GN, RD/BK 622-6 = 6x12 AWG BU, RD, GN, BN, OG, YE 822-8 = 4x12 & 4X18 AWG BU, GN, WH, BK, OG, RD, WH/BK, RD/BK
Designator for Receptacle			Mounting Style (blank) = front mount D = rear mount F = flange MF = flange, rotating coupling nut L = front mount, long threads

M23 powerfast Single Keyway Cordset Specifications

Mechanical

Mold material/Color:	PUR/Black
Contact carrier material:	Nylon or PBT
Coupling nut material:	
Standard:	Nickel plated brass
Additional options:	316 stainless steel
Environmental Protection:	IEC IP67
Temperature Rating:	-40 to +105°C (-40 to +221°F)

Electrical

Contact material:	Brass with gold plating
Cable jacket material/Color:	PVC/Yellow
Ratings:	
Power:	20 Amps, 300 V
Signal:	8 Amps, 150 V

M23 powerfast 3-Key Cordset Specifications

Mechanical

Mold material/Color:	PUR/Black
Contact carrier material:	Nylon or PBT
Coupling nut material:	
Standard:	Nickel plated brass
Environmental Protection:	IEC IP67
Temperature Rating:	-40 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass with gold plating
Cable jacket material/Color:	TC-ER PVC/Yellow
Ratings:	
Power:	30 Amps, 600 V
Signal:	9 Amps, 300 V

M23 powerfast Single Keyway Receptacle Specifications

Mechanical

Contact carrier material:	Nylon or PBT
Housing material/Plating:	
Standard:	Nickel plated brass
Additional options:	316 stainless steel
Environmental Protection:	IEC IP67
Temperature Rating:	-30 to +90°C (-40 to +194°F)

Electrical

Contact material:	Brass with gold plating
Conductor insulation:	PVC
Ratings:	
Power:	20 Amps, 300 V
Signal:	8 Amps, 150 V

M23 powerfast 3-Key Receptacle Specifications

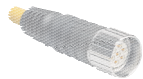


Mechanical

Contact carrier material:	Nylon or PBT
Housing material/Plating:	
Standard:	Nickel plated brass
Environmental Protection:	IEC IP67
Temperature Rating:	-30 to +80°C (-40 to +176°F)




Electrical

Contact material:	Brass with gold plating
Conductor insulation:	PVC
Ratings:	
Power:	30 Amps, 600 V
Signal:	9 Amps, 300 V

M23 powerfast Single Keyway Cordset Selection Matrix





			1 	1 	2 
			Straight Female	Straight Male	Straight Male
Pins	AWG	Current Rating	Single Keyway	Single Keyway	Single Keyway
6	14	20 Amps	CKM 64-078-*	CSM 64-078-*	CSSM 64-078-*
7	14	20 Amps	CKM 74-079-*	CSM 74-079-*	CSSM 74-079-*
9	3x14; 6x18	8 Amps (1-3,5,7,9), 20 Amps (4,6,8)	CKM 94-080-*	CSM 94-080-*	CSSM 94-080-*

M23 powerfast 3-Key Cordset Selection Matrix


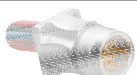

			3 	4 	5 	6 
			Straight Female	Straight Male	Right Angle Female	Right Angle Male
Pins	AWG	Current Rating	3-Key	3-Key	3-Key	3-Key
6	12	30 Amps	CKM 622-059-*	CSSM 622-059-*	CKWM 622-059-*	CSSWM 622-059-*
8	4x12; 4x18	9 Amps (A-D), 30 Amps (1-4)	CKM 822-287-*	CSSM 822-287-*	CKWM 822-287-*	CSSWM 822-287-*

Pins	AWG	Current Rating	Shielded 3-Key	Shielded 3-Key	Shielded 3-Key	Shielded 3-Key
6	12	30 Amps	CKMS 622-286-*	CSSMS 622-286-*	CKWMS 622-286-*	CSSWMS 622-286-*
8	4x12; 4x18	9 Amps (A-D), 30 Amps (1-4)	CKMS 822-288-*	CSSMS 822-288-*	CKWMS 822-288-*	CSSWMS 822-288-*

M23 powerfast Single Keyway Receptacle Selection Matrix

Front Mount			7 	7 	8 	8 
			Female	Male	Female	Male
Pins	AWG	Current Rating	M20 Mount, Standard Thread	M20 Mounting, Standard Thread	M20 Mounting, Long Thread	M20 Mounting, Long Thread
6	14	20 Amps	CKF 64-6-*	CSF 64-6-*	CKFL 64-6-*	CSFL 64-6-*
7	14	20 Amps	CKF 74-7-*	CSF 74-7-*	CKFL 74-7-*	CSFL 74-7-*
9	3x14; 6x18	8 Amps (1-3,5,7,9), 20 Amps (4,6,8)	CKF 94-9-*	CSF 94-9-*	CKFL 94-9-*	CSFL 94-9-*

M23 powerfast 3-Key Receptacle Selection Matrix

Front Mount			9 	10 	11 
			Female	Male	Male
Pins	AWG	Current Rating	Flange Mount	Flange Mount	M20 Mounting Thread
6	12	30 Amps	CKFMF 622-6-*	CSFF 622-6-*	CSF 622-6-*
8	4x12; 4x18	9 Amps (A-D), 30 Amps (1-4)	CKFMF 822-8-*	CSFF 822-8-*	CSF 822-8-*

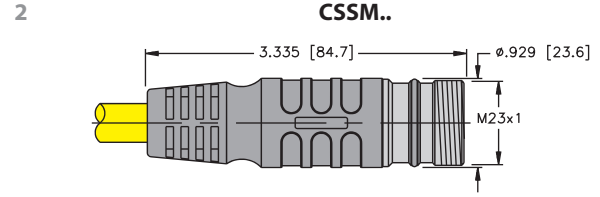
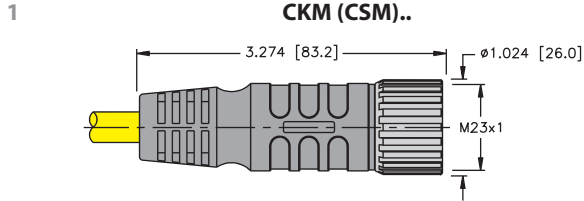
See pages 45-46 for dimensional drawings.

* Length in meters. Standard cable lengths are 2, 5 and 10 meters. Standard lead length is 0.5 meters. Consult factory for other lengths.

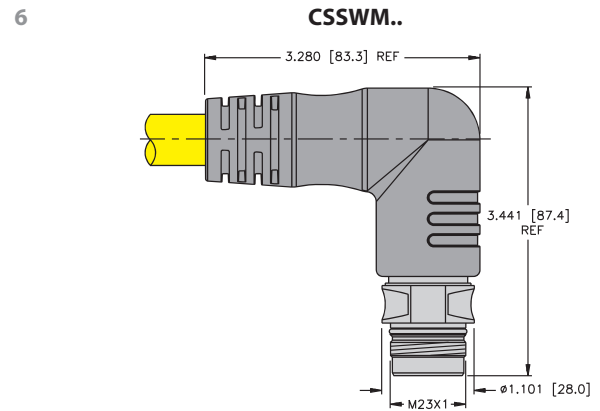
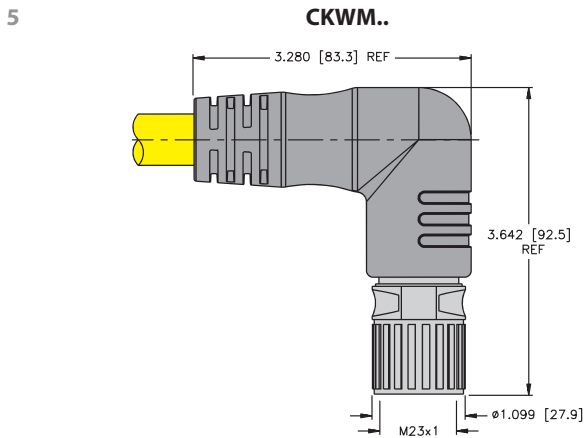
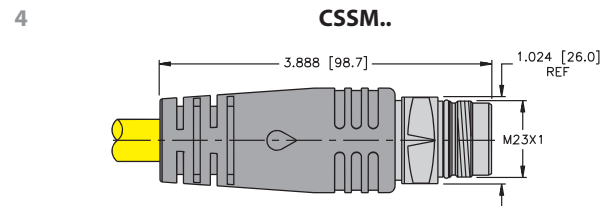
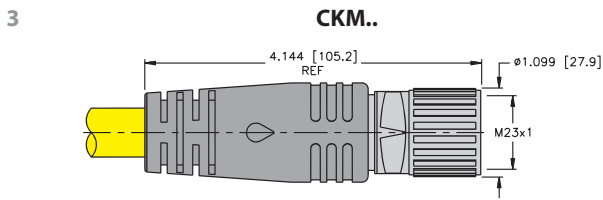
Note: Extension cables are available, please consult Part Number Key (page 42).

Standard coupling nut and housing material is nickel plated brass. Consult Part Number Key (page 42) for 316 stainless steel options.

M23 powerfast Single Keyway Cordset Dimensions

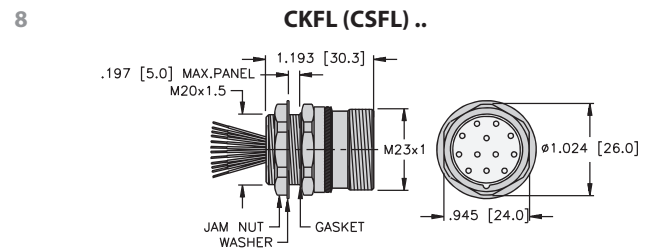
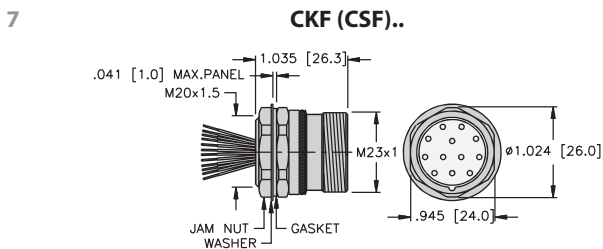


M23 powerfast 3-Key Cordset Dimensions



M23 powerfast

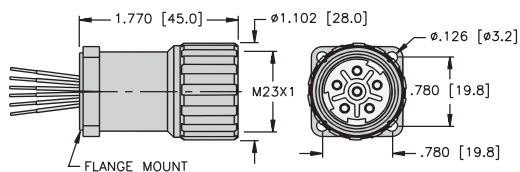
M23 powerfast Single Keyway Receptacle Dimensions



M23 powerfast 3-Key Receptacle Dimensions

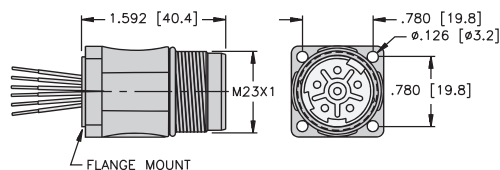
9

CKFMF..



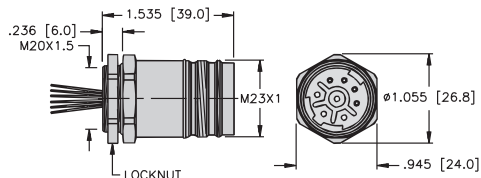
10

CSFF..



11

CSF..



M23 powerfast Single Key Cordset and Receptacle Pinouts

6-Pin		Pinouts	7-Pin		Pinouts
Female	Male		Female	Male	
		<ol style="list-style-type: none"> WH RD GN OG BK BU 			<ol style="list-style-type: none"> WH/BK BK WH RD OG BU GN

9-Pin		Pinouts
Female	Male	
		<ol style="list-style-type: none"> RD WH WH/BK BU OG BK GN/BK GN RD/BK

M23 powerfast 3-Key Cordset and Receptacle Pinouts

6-Pin, 3-Key		Pinouts	8-Pin, 3-Key		Pinouts
Female	Male		Female	Male	
		<ol style="list-style-type: none"> BU RD GN BN OG YE 			<ol style="list-style-type: none"> BU GN WH BK OG RD WH/BK RD/BK