

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 °C to +90 °C (-40 °F 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 °C to +105 °C (-40 °F 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 °C to +90 °C (-40 °F 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-*	BKWMS 22-1759-*	BSWMS 22-1759-*
3	14	15 Amps	BKMS 34-1364-*	BSMS 34-1364-*	BKWMS 34-1364-*	BSWMS 34-1364-*
4	14	15 Amps	BKMS 44-1363-*	BSMS 44-1363-*	BKWMS 44-1363-*	BSWMS 44-1363-*

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

2 and 3-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

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		3/8-18 NPT Mounting Thread		3/8-18 NPT 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	

Front 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 32-33 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.

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

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M16 Powerfast Field Wireable Selection Matrix

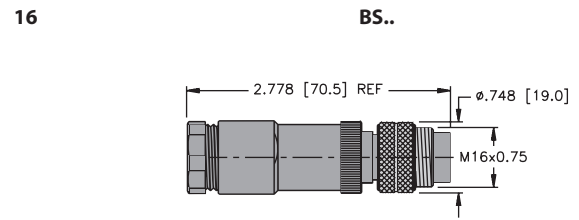
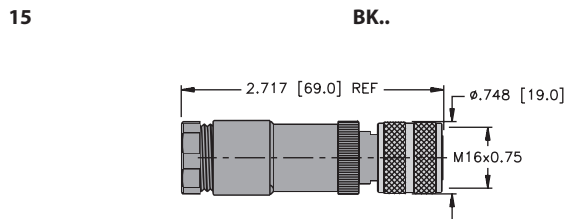
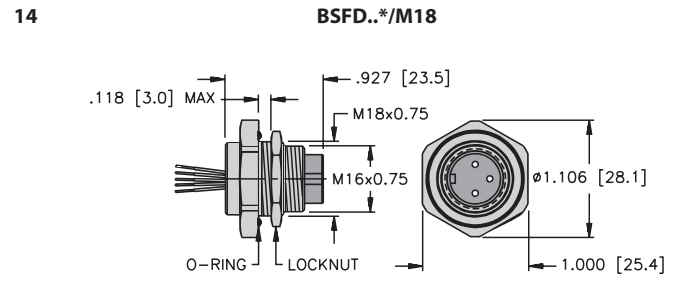
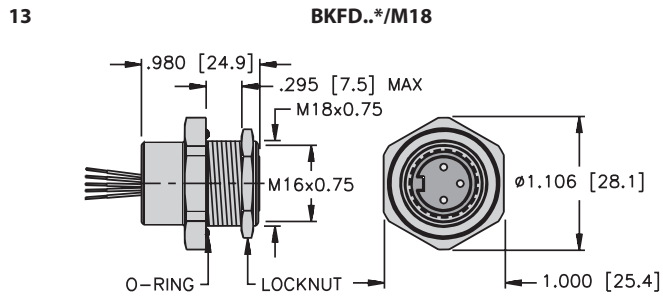
			15		16	
			Straight Female, PG 11 Cable Gland Accepts 8-11 mm Cable Diameter		Straight Male, PG 11 Cable Gland Accepts 8-11 mm Cable Diameter	
Pins	Acceptable Conductor AWG	Current Rating	Screw Terminal		Screw Terminal	
2	12	18 Amps	BK 22-0		BS 22-0	
3	14	15 Amps	BK 34-0		BS 34-0	
4	14	15 Amps	BK 44-0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

See page 33 for dimensional drawings.

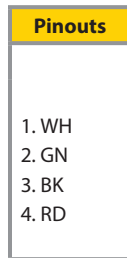
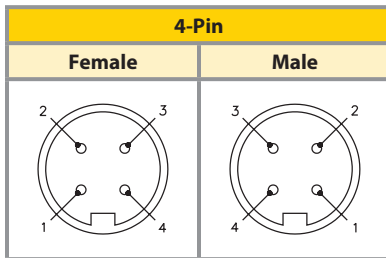
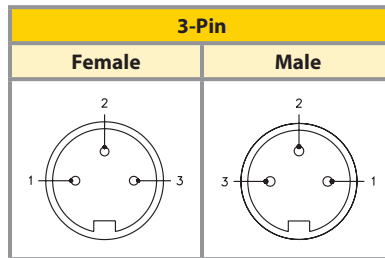
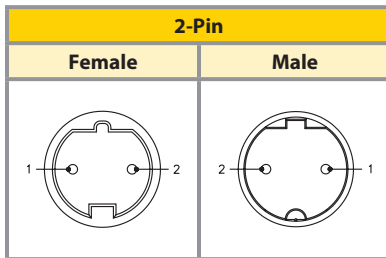
* Note: Standard coupling nut material is nickel plated brass. Consult factory for nylon and 316 stainless steel options.

<p>1</p> <p>BKM..</p>	<p>2</p> <p>BSM..</p>
<p>3</p> <p>BKWM..</p>	<p>4</p> <p>BSWM..</p>
<p>5</p> <p>BKF../14.5/NPT</p>	<p>6</p> <p>BSF../14.5/NPT</p>
<p>7</p> <p>BKF../18.375/NPT</p>	<p>8</p> <p>BSF../18.375/NPT</p>
<p>9</p> <p>BKF../M18</p>	<p>10</p> <p>BSF../M18</p>
<p>11</p> <p>BKF../M20</p>	<p>12</p> <p>BSF../M20</p>

M16 Powerfast Cordset, Receptacle and Field Wireable Dimensions



M16 Powerfast Cordset, Receptacle and Field Wireable Pinouts



M16 Powerfast Tee Specifications

Mechanical

Mold material/color:	PUR/Black
Contact carrier material:	PUR
Housing material/plating:	
Standard:	Nickel plated brass
Additional options:	Nylon 316 stainless steel
Environmental protection:	IEC IP67

Electrical

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



Temperature rating:

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

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-*

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

M16 Powerfast h-Style Tee Selection Matrix

			21		22		23		24	
				Integral M16 Power Connector Drop		Cable Drop with M16 Power Connector		Cable Trunk and Cable Drop with M16 Power Connectors		Cable Drop
Trunk #1: Male Connector						TC-ER		TC-ER		TC-ER
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	
				Integral M16 Power Connector Drop		Cable Drop with M16 Power Connector		Cable Trunk and Cable Drop with M16 Power Connectors		Cable Drop
Trunk #2: Male Connector						TC-ER		TC-ER		TC-ER
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-*

2 and 3-Wire Receptacles, Front Mount, 1/4-18 NPT Threads

			29	30	31
Trunk #1: 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-BSM/3BKM 22	BH-BSM/3BKM 22-380-*	BH-BSM/3BKM 22-380-*/*/**
3	14	15 Amps	BH-BSM/3BKM 34	BH-BSM/3BKM 34-198-*	BH-BSM/3BKM 34-198-*/*/**
4	14	15 Amps	BH-BSM/3BKM 44	BH-BSM/3BKM 44-193-*	BH-BSM/3BKM 44-193-*/*/**

			32	33	34
Trunk #1: 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-*/*/**

See pages 35-40 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.

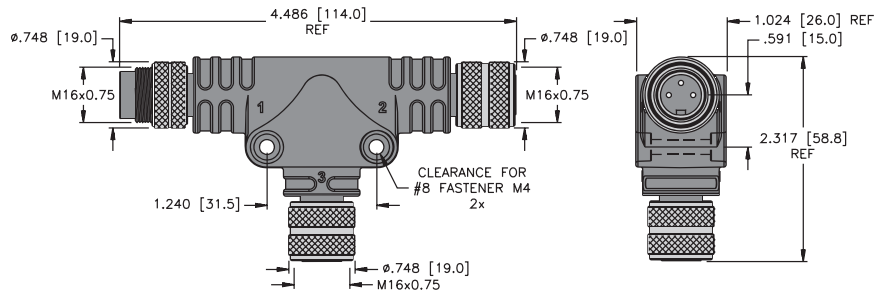
We reserve the right to make technical alterations without prior notice.

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M16 Powerfast Tee Dimensions

17

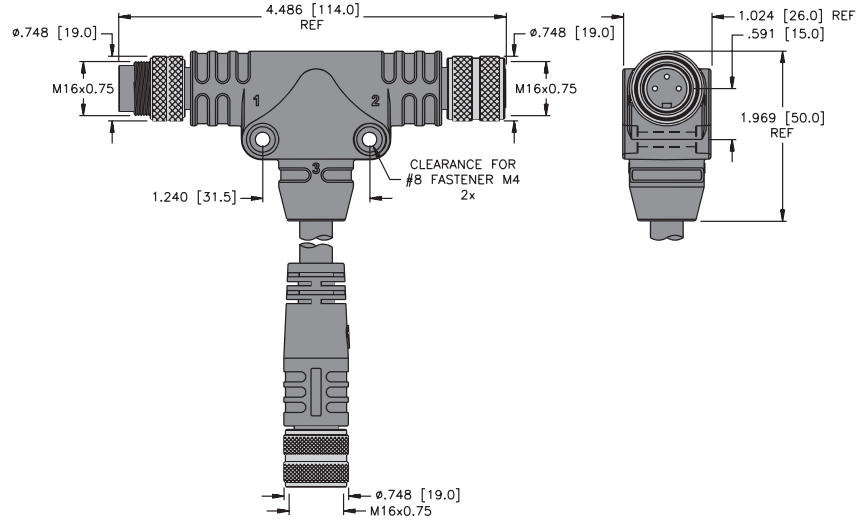
**Integral M16 Power Connector Drop
BSM/2BKM..**



M16 Powerfast Tee Dimensions

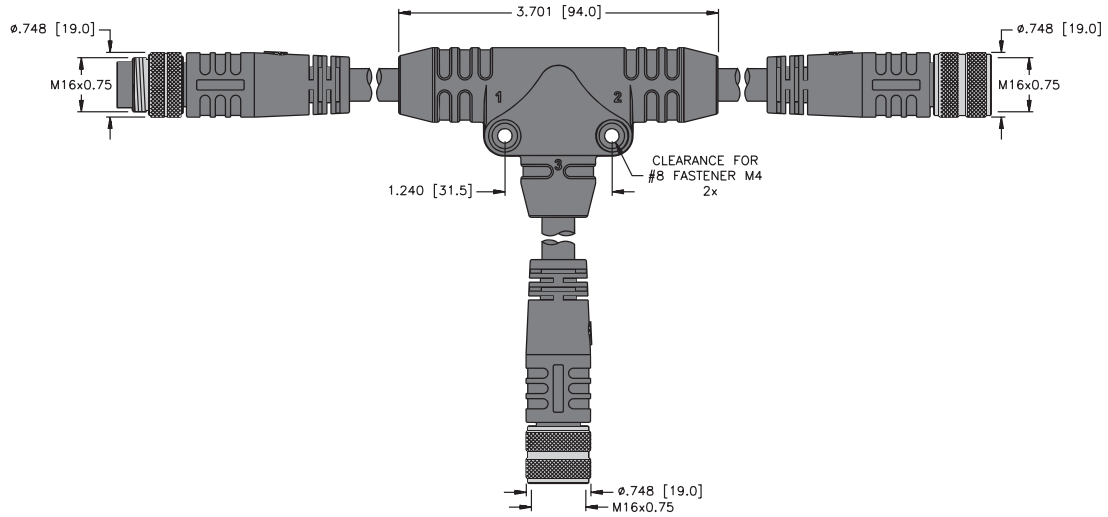
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Cable Drop with M16 Power Connector
BSM/2BKM..



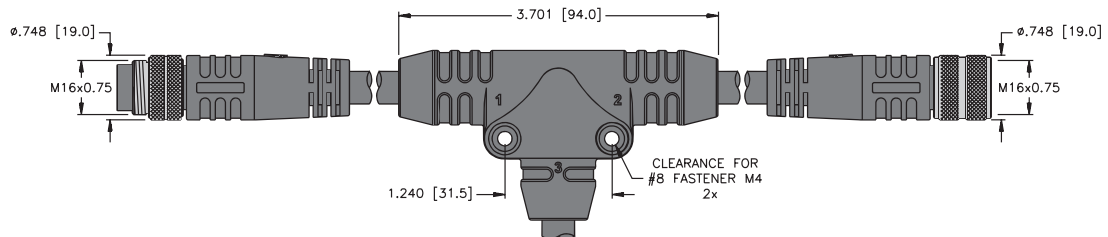
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Cable Trunk and Cable Drop with M16 Power Connectors
BSM/2BKM..



20

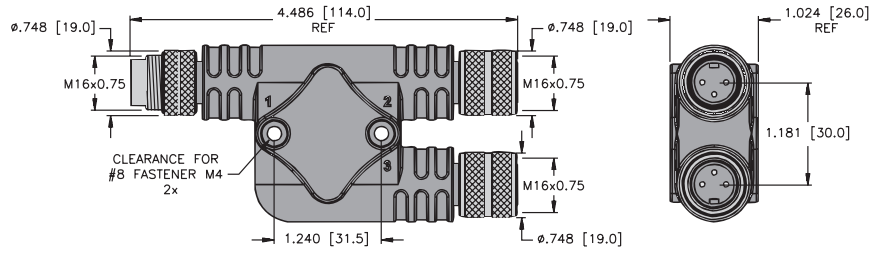
Cable Drop
BSM/BKM/T..



M16 Powerfast h-Style Tee Dimensions

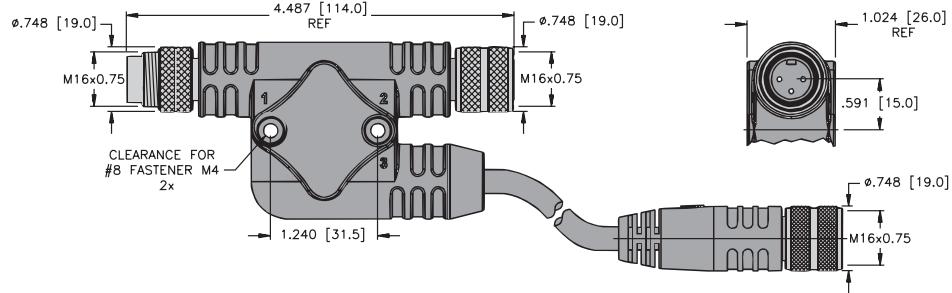
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Integral M16 Power Connector Drop, Trunk #1 Male
SH-BSM/2BKM..



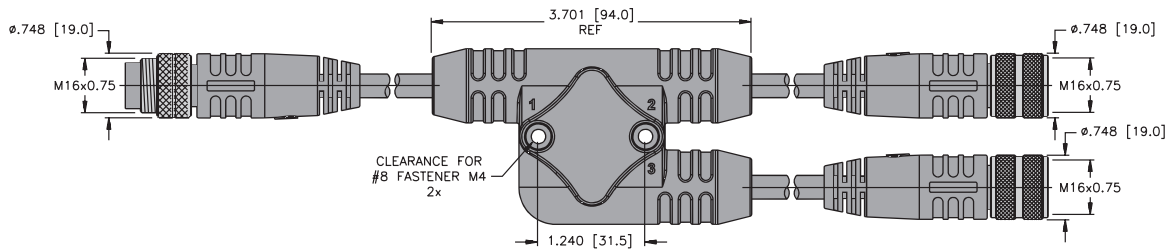
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Cable Drop with M16 Power Connector, Trunk #1 Male
SH-BSM/2BKM..



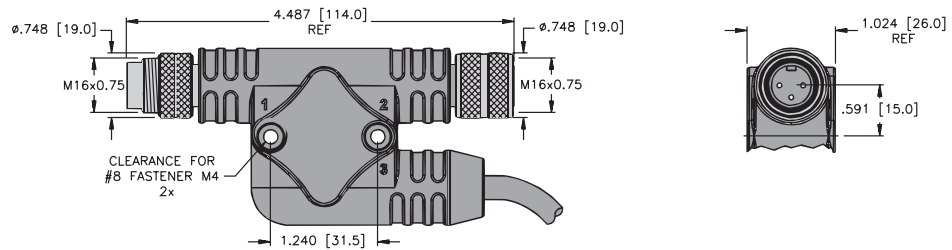
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Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #1 Male
SH-BSM/2BKM..



24

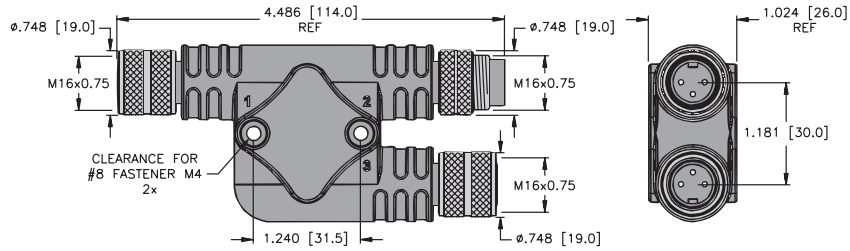
Cable Drop, Trunk #1 Male
SH-BSM/BKM/T..



M16 Powerfast h-Style Tee Dimensions

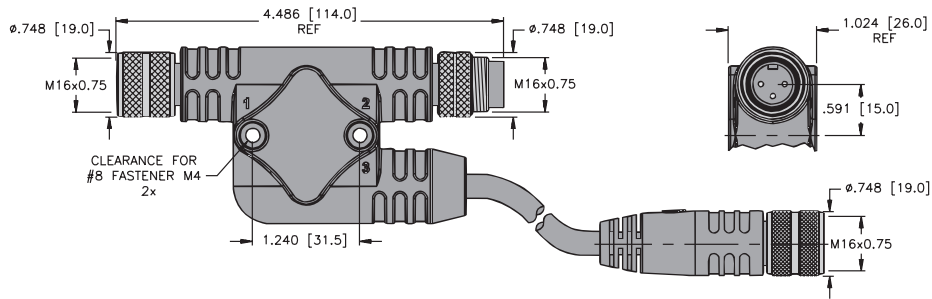
25

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



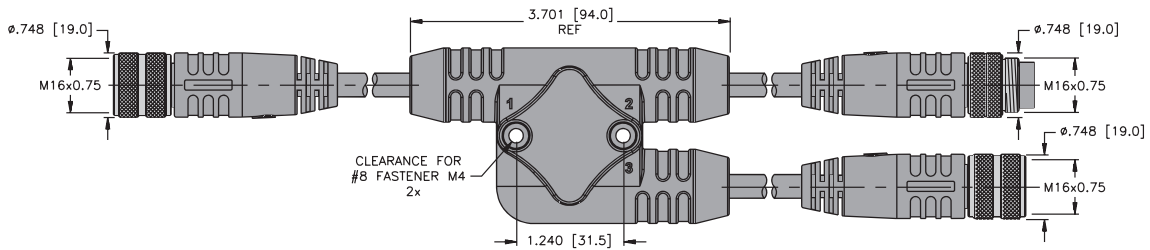
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**Cable Drop with M16 Power Connector, Trunk #2 Male
SH-BKM/BSM/BKM..**



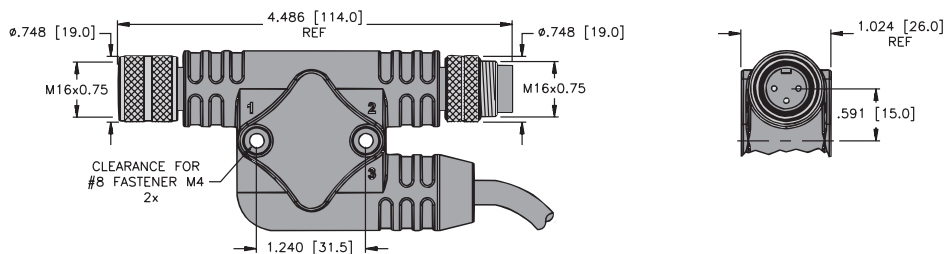
27

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



28

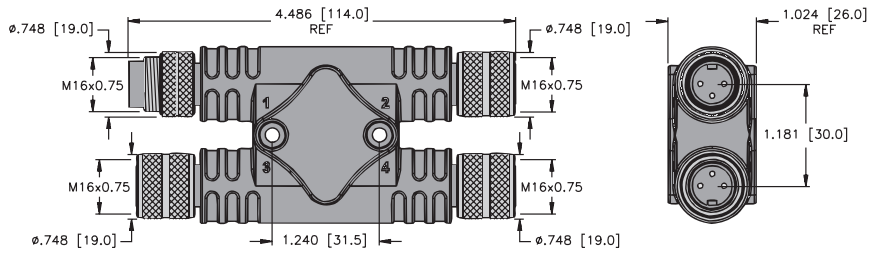
**Cable Drop, Trunk #2 Male
SH-BKM/BSM/T..**



M16 Powerfast H-Style Tee Dimensions

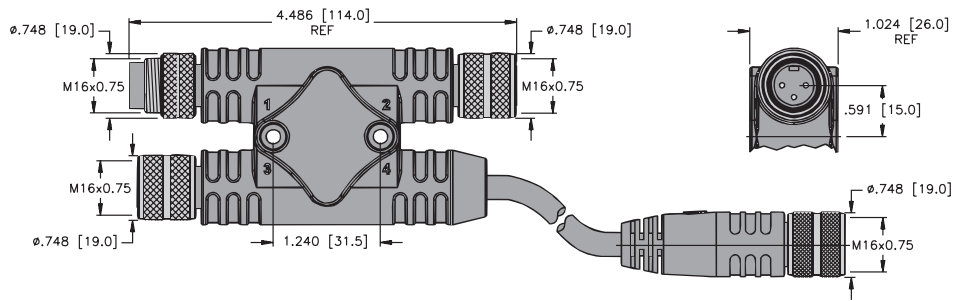
29

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



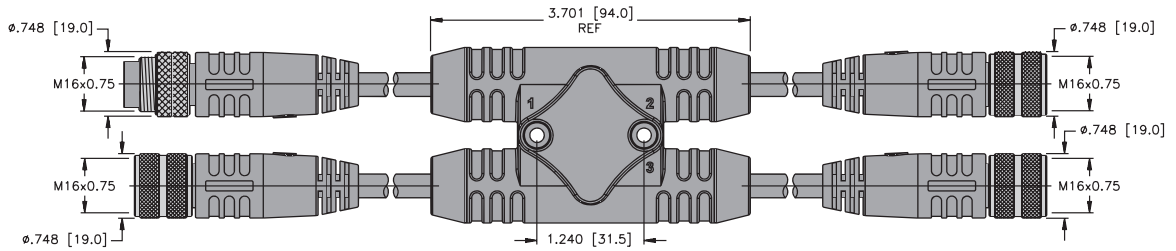
30

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



31

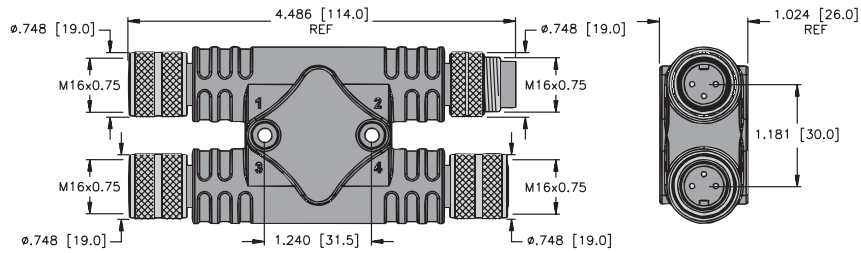
**Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #1 Male
BH-BSM/3BKM..**



M16 Powerfast H-Style Tee Dimensions

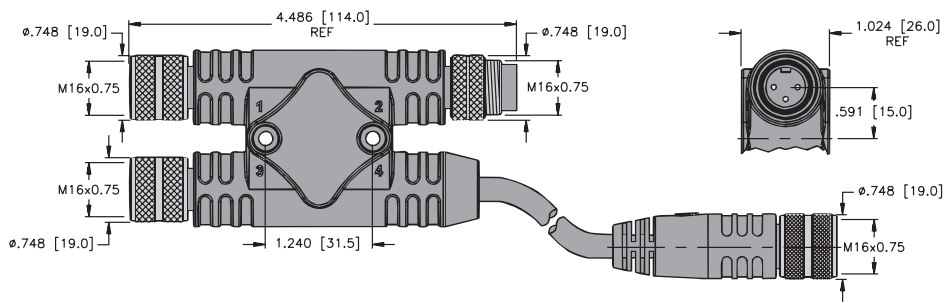
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**Integral M16 Power Connector Drop, Trunk #2 Male
BH-BKM/BSM/2BKM..**



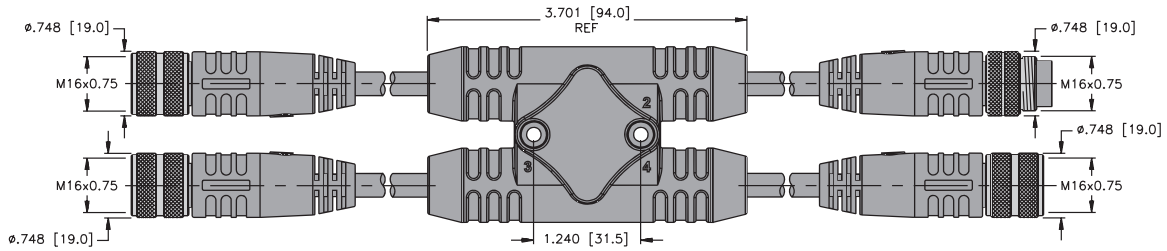
33

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

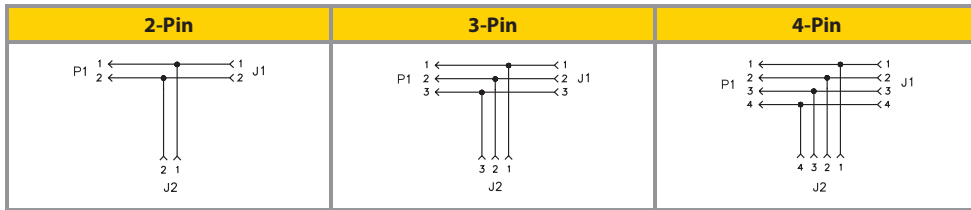


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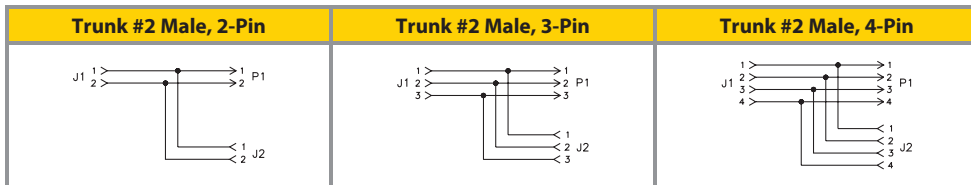
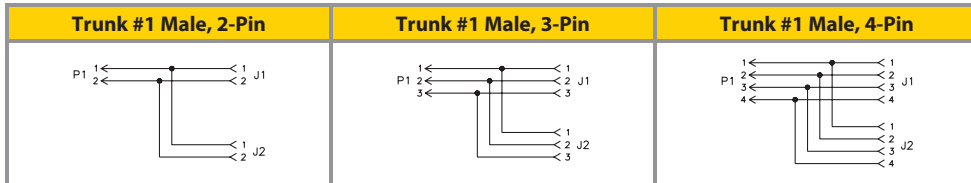
**Cable Trunk and Cable Drop with M16 Power Connectors, Trunk #2 Male
BH-BKM/BSM/2BKM..**



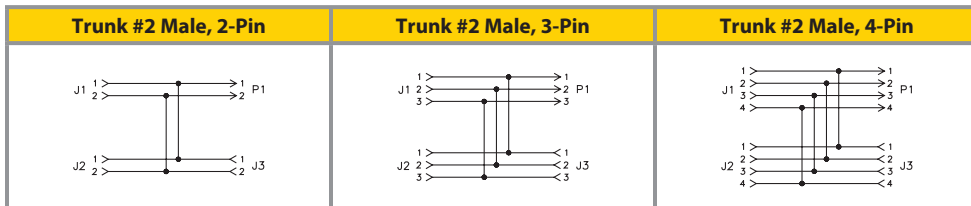
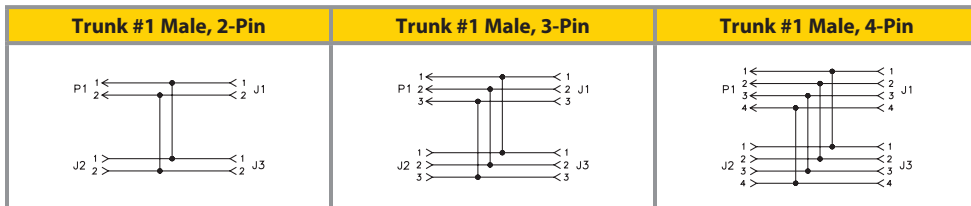
M16 Powerfast Tee Wiring Diagrams



M16 Powerfast h-Style Tee Wiring Diagrams



M16 Powerfast H-Style Tee Wiring Diagrams



M16 Powerfast Tee Pinouts

