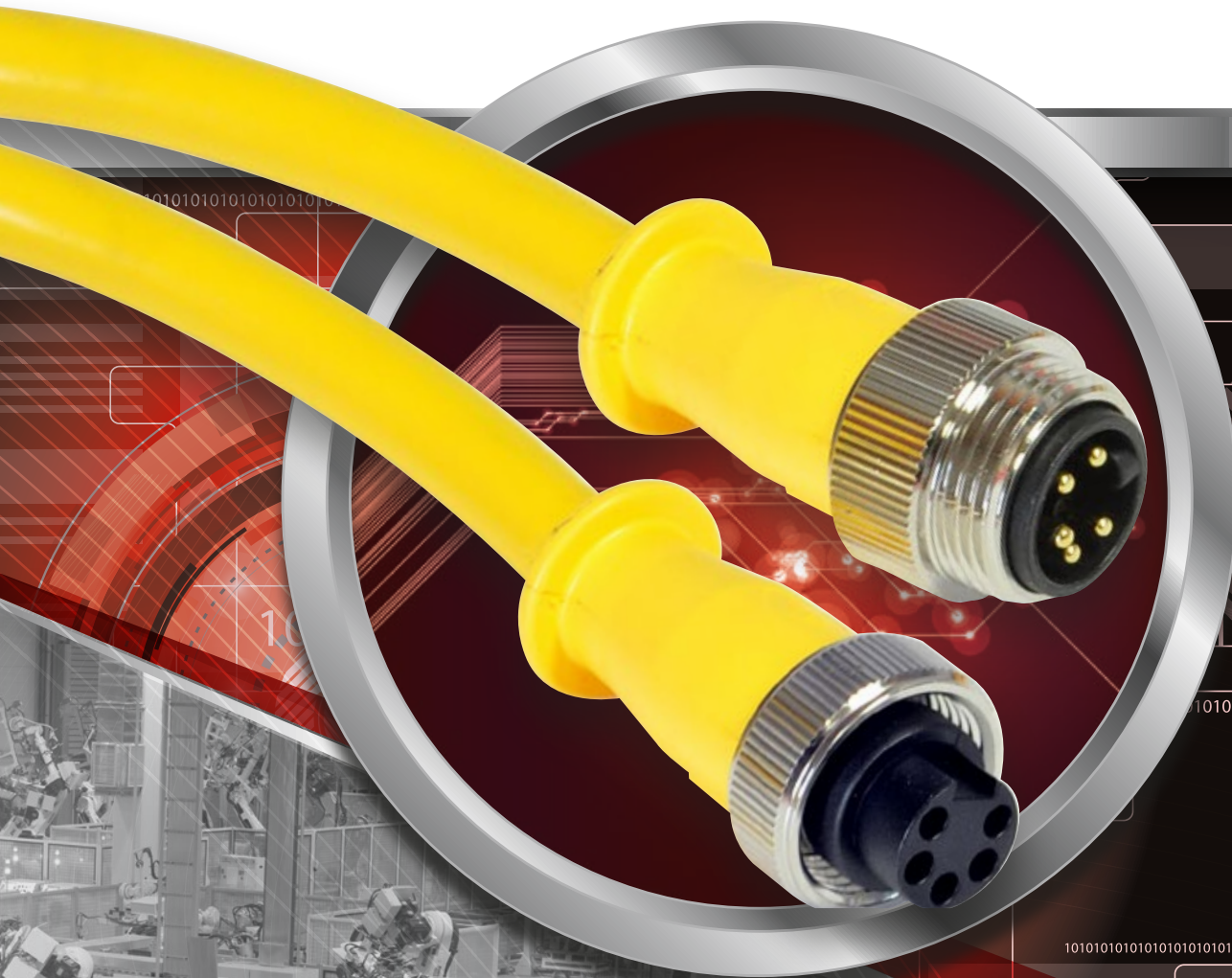
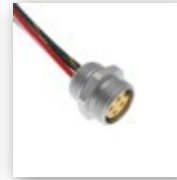


MINI SENSOR CABLES
AND ACCESSORIES

HTMTM
SENSORS



- QUICK-CONNECT SENSOR CABLES FOR SENSORS AND POWER SUPPLY
- CABLES AVAILABLE IN 3, 4, 5 AND 6 PIN MODELS
- EURO AND US COLOR CODES AVAILABLE
- AVAILABLE IN SHIELDED AND UNSHEILDED MODELS

HTMSENSORS.COM

MINI SENSOR CABLES SINGLE ENDED SPECIFICATIONS

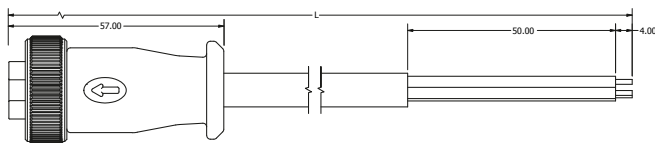


CONNECTOR	Female Straight		Female Angled		Male Straight		Male Angled	
CABLE MATERIAL	PVC							
WIRE GAUGE	18 AWG	16 AWG	18 AWG	16 AWG	18 AWG	16 AWG	18 AWG	16 AWG
RATED VOLTAGE	600 V AC/DC							
PROTECTION	IP68							
PART NUMBERS								
SHIELD NOT CONNECTED TO COUPLING NUT								
	Euro Color Code	US Color Code	Euro Color Code	US Color Code	Euro Color Code	US Color Code	Euro Color Code	US Color Code
3 PIN	ZB-FS3TZ-V53#	ZB-FS3TZ-V43*FT	ZB-FA3TZ-V53#	ZB-FA3TZ-V43*FT	ZB-MS3TZ-V53#	ZB-MS3TZ-V43*FT	ZB-MA3TZ-V53#	ZB-MA3TZ-V43*FT
4 PIN	ZB-FS4TZ-V54#	ZB-FS4TZ-V44*FT	ZB-FA4TZ-V54#	ZB-FA4TZ-V44*FT	ZB-MS4TZ-V54#	ZB-MS4TZ-V44*FT	ZB-MA4TZ-V54#	ZB-MA4TZ-V44*FT
5 PIN	ZB-FS5TZ-V55#	ZB-FS5TZ-V45*FT	ZB-FA5TZ-V55#	ZB-FA5TZ-V45*FT	ZB-MS5TZ-V55#	ZB-MS5TZ-V45*FT	ZB-MA5TZ-V55#	ZB-MA5TZ-V45*FT
6 PIN	ZB-FS6TZ-V56#	ZB-FS6TZ-V46*FT	ZB-FA6TZ-V56#	ZB-FA6TZ-V46*FT	ZB-MS6TZ-V56#	ZB-MS6TZ-V46*FT	ZB-MA6TZ-V56#	ZB-MA6TZ-V46*FT
SHIELD CONNECTED TO COUPLING NUT								
	Euro Color Code	US Color Code	Euro Color Code	US Color Code	Euro Color Code	US Color Code	Euro Color Code	US Color Code
3 PIN	ZS-FS3TZ-V53#	ZS-FS3TZ-V43*FT	ZS-FA3TZ-V53#	ZS-FA3TZ-V43*FT	ZS-MS3TZ-V53#	ZS-MS3TZ-V43*FT	ZS-MA3TZ-V53#	ZS-MA3TZ-V43*FT
4 PIN	ZS-FS4TZ-V54#	ZS-FS4TZ-V44*FT	ZS-FA4TZ-V54#	ZS-FA4TZ-V44*FT	ZS-MS4TZ-V54#	ZS-MS4TZ-V44*FT	ZS-MA4TZ-V54#	ZS-MA4TZ-V44*FT
5 PIN	ZS-FS5TZ-V55#	ZS-FS5TZ-V45*FT	ZS-FA5TZ-V55#	ZS-FA5TZ-V45*FT	ZS-MS5TZ-V55#	ZS-MS5TZ-V45*FT	ZS-MA5TZ-V55#	ZS-MA5TZ-V45*FT
6 PIN	ZS-FS6TZ-V56#	ZS-FS6TZ-V46*FT	ZS-FA6TZ-V56#	ZS-FA6TZ-V46*FT	ZS-MS6TZ-V56#	ZS-MS6TZ-V46*FT	ZS-MA6TZ-V56#	ZS-MA6TZ-V46*FT

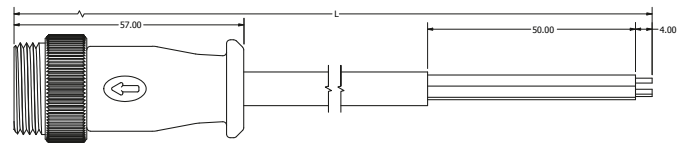
Note: Replace # with length of cable in Meters (Standard lengths 1, 2, 5, 10). Replace * with length of cable in Feet (Standard lengths 3, 6, 12, 15, 20,3 0). For other lengths please contact the factory.

(measurements shown in mm)

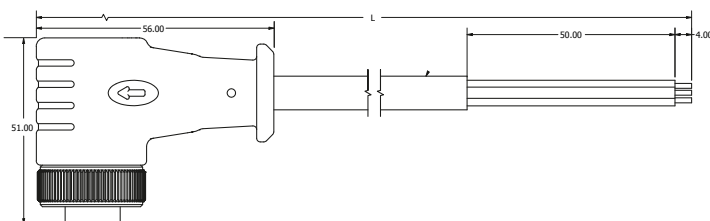
FEMALE STRAIGHT



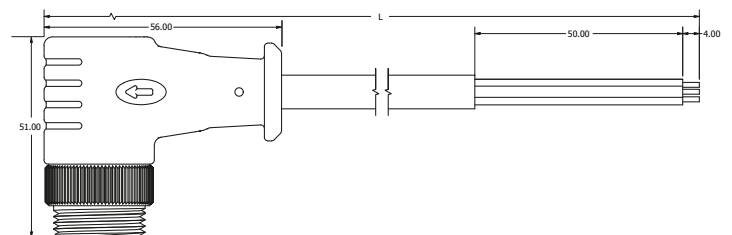
MALE STRAIGHT



FEMALE ANGLED



MALE ANGLED



MINI SENSOR CABLES DOUBLE ENDED SPECIFICATIONS

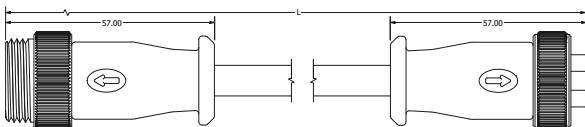


CONNECTOR	Male Straight/Female Straight		Male Straight/Female Angled		Male Angled/Female Angled		Male Angled/Female Straight	
CABLE MATERIAL	PVC							
WIRE GAUGE	18 AWG	16 AWG	18 AWG	16 AWG	18 AWG	16 AWG	18 AWG	16 AWG
RATED VOLTAGE	600 V AC/DC							
PROTECTION	IP68							
PART NUMBERS								
SHIELD NOT CONNECTED TO COUPLING NUT								
	Euro Color Code	US Color Code	Euro Color Code	US Color Code	Euro Color Code	US Color Code	Euro Color Code	US Color Code
3 PIN	ZB-MS3TZ-V53#+ZB-FS3	ZB-MS3TZ-V43#+ZB-FS3	ZB-MS3TZ-V53#+ZB-FA3	ZB-MS3TZ-V43#+ZB-FA3	ZB-MA3TZ-V53#+ZB-FA3	ZB-MA3TZ-V43#+ZB-FA3	ZB-MA3TZ-V53#+ZB-FS3	ZB-MA3TZ-V43#+ZB-FS3
4 PIN	ZB-MS4TZ-V54#+ZB-FS4	ZB-MS4TZ-V44#+ZB-FS4	ZB-MS4TZ-V54#+ZB-FA4	ZB-MS4TZ-V44#+ZB-FA4	ZB-MA4TZ-V54#+ZB-FA4	ZB-MA4TZ-V44#+ZB-FA4	ZB-MA4TZ-V54#+ZB-FS4	ZB-MA4TZ-V44#+ZB-FS4
5 PIN	ZB-MS5TZ-V55#+ZB-FS5	ZB-MS5TZ-V45#+ZB-FS5	ZB-MS5TZ-V55#+ZB-FA5	ZB-MS5TZ-V45#+ZB-FA5	ZB-MA5TZ-V55#+ZB-FA5	ZB-MA5TZ-V45#+ZB-FA5	ZB-MA5TZ-V55#+ZB-FS5	ZB-MA5TZ-V45#+ZB-FS5
6 PIN	ZB-MS6TZ-V56#+ZB-FS6	ZB-MS6TZ-V46#+ZB-FS6	ZB-MS6TZ-V56#+ZB-FA6	ZB-MS6TZ-V46#+ZB-FA6	ZB-MA6TZ-V56#+ZB-FA6	ZB-MA6TZ-V46#+ZB-FA6	ZB-MA6TZ-V56#+ZB-FS6	ZB-MA6TZ-V46#+ZB-FS6
SHIELD CONNECTED TO COUPLING NUT								
	Euro Color Code	US Color Code	Euro Color Code	US Color Code	Euro Color Code	US Color Code	Euro Color Code	US Color Code
3 PIN	ZS-MS3TZ-V53#+ZS-FS3	ZS-MS3TZ-V43#+ZS-FS3	ZS-MS3TZ-V53#+ZS-FA3	ZS-MS3TZ-V43#+ZS-FA3	ZS-MA3TZ-V53#+ZS-FA3	ZS-MA3TZ-V43#+ZS-FA3	ZS-MA3TZ-V53#+ZS-FS3	ZS-MA3TZ-V43#+ZS-FS3
4 PIN	ZS-MS4TZ-V54#+ZS-FS4	ZS-MS4TZ-V44#+ZS-FS4	ZS-MS4TZ-V54#+ZS-FA4	ZS-MS4TZ-V44#+ZS-FA4	ZS-MA4TZ-V54#+ZS-FA4	ZS-MA4TZ-V44#+ZS-FA4	ZS-MA4TZ-V54#+ZS-FS4	ZS-MA4TZ-V44#+ZS-FS4
5 PIN	ZS-MS5TZ-V55#+ZS-FS5	ZS-MS5TZ-V45#+ZS-FS5	ZS-MS5TZ-V55#+ZS-FA5	ZS-MS5TZ-V45#+ZS-FA5	ZS-MA5TZ-V55#+ZS-FA5	ZS-MA5TZ-V45#+ZS-FA5	ZS-MA5TZ-V55#+ZS-FS5	ZS-MA5TZ-V45#+ZS-FS5
6 PIN	ZS-MS6TZ-V56#+ZS-FS6	ZS-MS6TZ-V46#+ZS-FS6	ZS-MS6TZ-V56#+ZS-FA6	ZS-MS6TZ-V46#+ZS-FA6	ZS-MA6TZ-V56#+ZS-FA6	ZS-MA6TZ-V46#+ZS-FA6	ZS-MA6TZ-V56#+ZS-FS6	ZS-MA6TZ-V46#+ZS-FS6

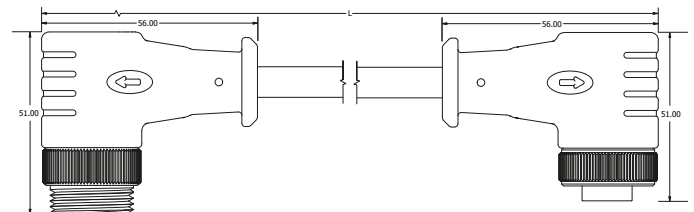
Note: Replace # with length of cable in Meters (Standard lengths 1, 2, 5, 10). Replace * with length of cable in Feet (Standard lengths 3, 6, 12, 15, 20,3 0). For other lengths please contact the factory.

(measurements shown in mm)

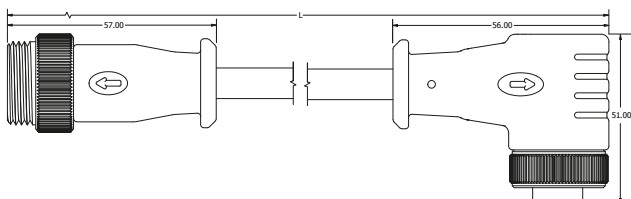
MALE STRAIGHT TO FEMALE STRAIGHT



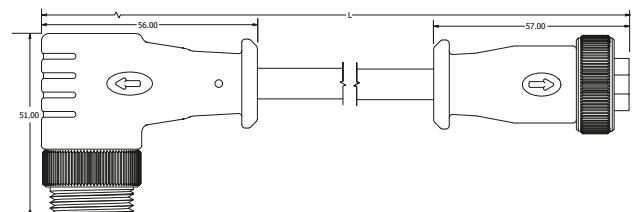
MALE ANGLED TO FEMALE ANGLED



MALE STRAIGHT TO FEMALE ANGLED



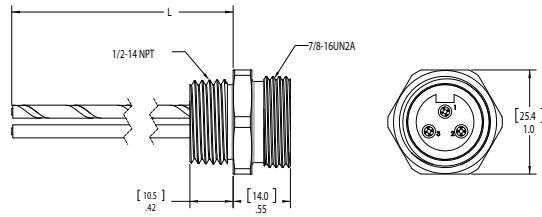
MALE ANGLED TO FEMALE STRAIGHT



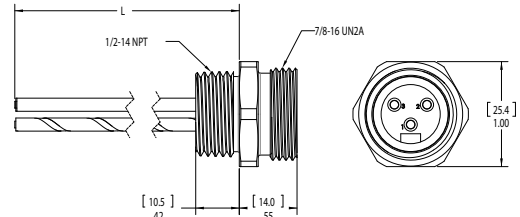
MINI SENSOR CABLES AND ACCESSORIES

7/8" RECEPTACLES SPECIFICATIONS

FEMALE STRAIGHT



MALE STRAIGHT



CABLE MATERIAL	PVC			
WIRE GAUGE	16 AWG			
RATED VOLTAGE	600 V AC/DC			
PROTECTION	IP68			
PART NUMBERS				
	Euro Color Code	US Color Code	Euro Color Code	US Color Code
3 PIN	Z-FS3FZ/0.3/1/2-14NPT	Z-FS3FZ/1FT/1/2-14NPT	Z-MS3FZ/0.3/1/2-14NPT	Z-MS3FZ/1FT/1/2-14NPT
4 PIN	Z-FS4FZ/0.3/1/2-14NPT	Z-FS4FZ/1FT/1/2-14NPT	Z-MS4FZ/0.3/1/2-14NPT	Z-MS4FZ/1FT/1/2-14NPT
5 PIN	Z-FS5FZ/0.3/1/2-14NPT	Z-FS5FZ/1FT/1/2-14NPT	Z-MS5FZ/0.3/1/2-14NPT	Z-MS5FZ/1FT/1/2-14NPT

7/8" MALE 5-PIN

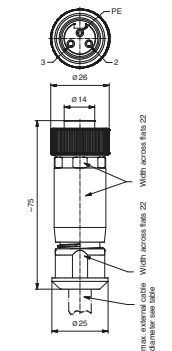
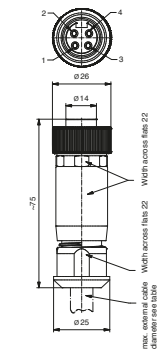
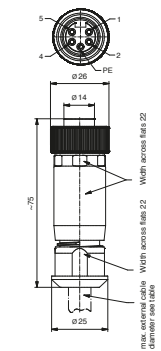
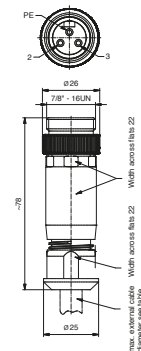
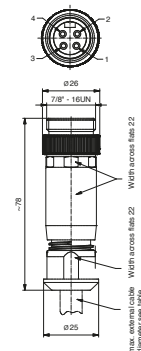
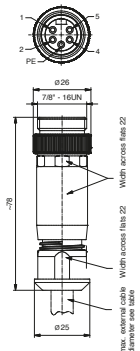
7/8" MALE 4-PIN

7/8" MALE 3-PIN

7/8" FEMALE 5-PIN

7/8" FEMALE 4-PIN

7/8" FEMALE 3-PIN



PROTECTION	IP67					
CONNECTION MODE	Screw Clamps					
PART NUMBERS						
7/8" Mini Field Connectors	FC-78MS5P-PG9	FC-78MS4P-PG9	FC-78MS3P-PG9	FC-78FS5P-PG9	FC-78FS4P-PG9	FC-78FS3P-PG9

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SENSORS



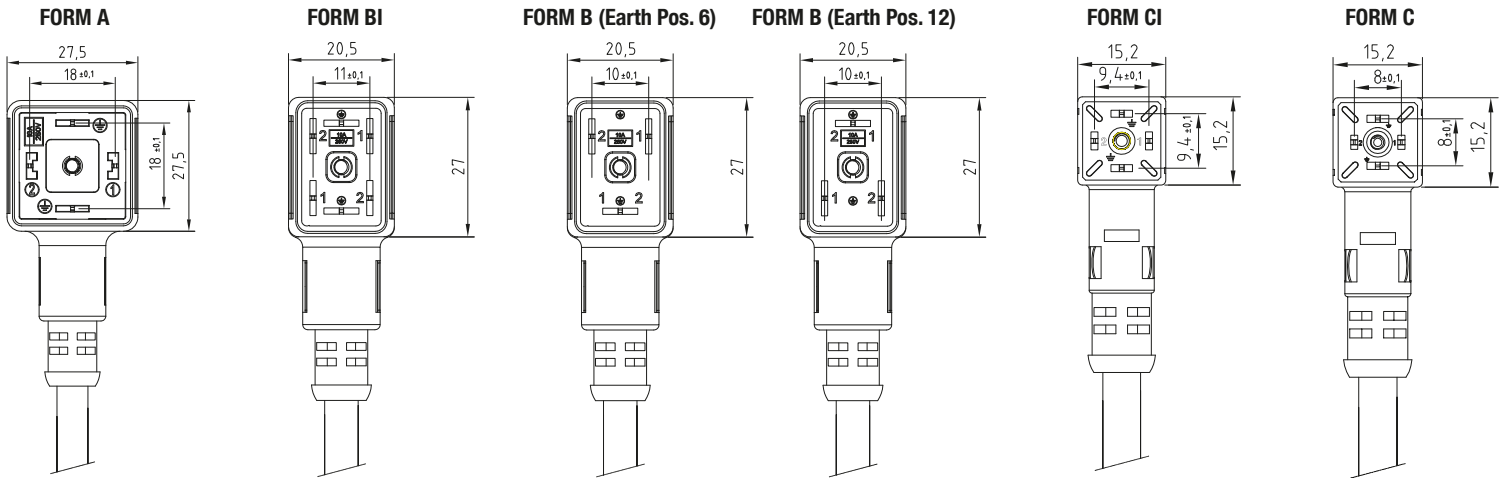
- INDUSTRY STANDARD FORMS (A, B, BI, C, CI)
- AVAILABLE WITH LED AND/OR BUILT-IN SUPPRESSION
- SUPPLIED WITH NBR GASKETS
- BUILT-IN LABEL PLATE
- PVC OR PUR CABLE JACKET AVAILABLE

SOLENOID CABLES SPECIFICATIONS



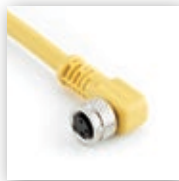
FEMALE CONNECTOR	Angled	Angled	Angled	Angled	Angled
CONTACT SPACING	18 mm	11 mm	10 mm	9.4 mm	8 mm
NUMBER OF POLES	2 + 2 PE	2 + PE	2 + PE	2 + 2 PE	2 + 2 PE
EARTH POSITION	12 & 6	12 & 6	12 or 6	12 & 6	12 & 6
CABLE MATERIAL	PVC				
SECURING SCREW	M3 x 0.5 L28 mm			M3 x 0.5 L22.5 mm	M2.5 x 0.5 L22.5 mm
PROTECTION	IP67				
PART NUMBERS					
24 V AC/DC with LED and MOV	V-AFA2V/R1C-V535	V-B1FA2V/R1C-V535	V-BFA2V/R1A-V535 (Earth position 6)	V-C1FA2V/R1C-V535	V-CFA2V/R1C-V535
			V-BFA2V/R1B-V535 (Earth position 12)		
115 V AC/DC with LED and MOV	V-AFA2V/R2C-V535	V-B1FA2V/R2C-V535	V-BFA2V/R2A-V535 (Earth position 6)	V-C1FA2V/R2C-V535	V-CFA2V/R2C-V535
			V-BFA2V/R2B-V535 (Earth position 12)		
230 V AC/DC No LED or Suppression	V-AFA2U/N0C-V535	V-B1FA2U/N0C-V535	V-BFA2U/N0A-V535 (Earth position 6)	V-C1FA2U/N0C-V535	V-CFA2U/N0C-V535
			V-BFA2U/N0B-V535 (Earth position 12)		

Custom lengths and connector styles are available. NOTE: Specifications subject to change without notification.



SOLENOID FIELD CONNECTORS	FORM A	FORM BI	FORM B	FORM CI	FORM C
	24 V AC/DC LED and MOV FC-AFA2V/R1-PG9/11T	FC-B1FA2V/R1-PG9T	FC-BFA2U/N0-PG9	FC-C1FA2V/R1-PG7T FC-C1FA2U/N0-PG7	FC-CFA2V/R1-PG7T FC-CFA2U/N0-PG7

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SENSORS



- QUICK-CONNECT SENSOR CABLES FOR SENSOR CONNECTIONS
- LOW PRICES WITH THOUSANDS IN STOCK FOR SAME-DAY SHIPPING
- AVAILABLE IN LOW-COST PVC, OIL-RESISTANT PUR, AND SPATTER RESISTANT TPE
- AVAILABLE IN YELLOW, BLACK OR GREY OR CUSTOM COLORS
- AVAILABLE IN STANDARD 5 m LENGTH, OR ANY CUSTOM LENGTH
- ANY STYLE AVAILABLE WITH PRE-INSTALLED PROTECTIVE SILICONE JACKET

QUICK-CONNECT SENSOR CABLES SPECIFICATIONS

M8



CONNECTION	M8 PVC		M8 PUR		M8 TPE	
CONNECTOR	Female Straight	Female Angled	Female Straight	Female Angled	Female Straight	Female Angled
CABLE MATERIAL	Low-Cost PVC		Oil-Resistant PUR		Weld Spatter Resistant TPE	
WIRE GAUGE	22 AWG					
THREADED CONNECTOR	Nickel-plated Brass					
NOMINAL VOLTAGE	250 VAC/300 VDC (10-30 VDC LED models)					
PROTECTION	IP67					
PART NUMBERS						
3-pin / 3-wire	C-FS3TZ-V075	C-FA3TZ-V075	C-FS3TZ-P665	C-FA3TZ-P665	C-FS3TZ-T665	C-FA3TZ-T665
3-pin / 3-wire - PNP LED		C-FA3TP-V075				C-FA3TP-T665
3-pin / 3-wire - NPN LED		C-FA3TN-V075				C-FA3TN-T665
4-pin / 4-wire	C-FS4TZ-V075	C-FA4TZ-V075	C-FS4TZ-P665	C-FA4TZ-P665	C-FS4TZ-T665	C-FA4TZ-T665

M12



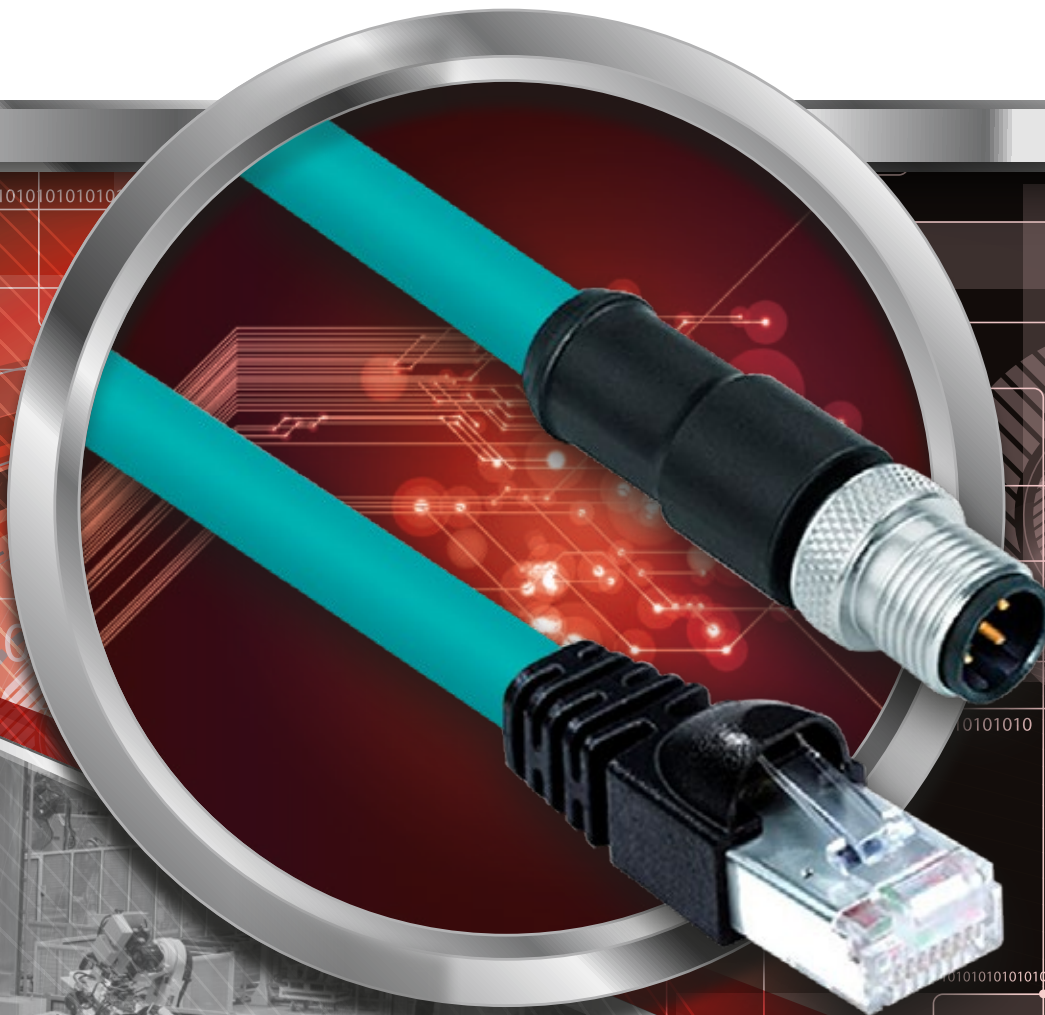
CONNECTION	M12 PVC		M12 PUR		M12 TPE	
CONNECTOR	Female Straight	Female Angled	Female Straight	Female Angled	Female Straight	Female Angled
CABLE MATERIAL	Low-Cost PVC		Oil-Resistant PUR		Weld Spatter Resistant TPE	
WIRE GAUGE	22 AWG					
THREADED CONNECTOR	Nickel-plated Brass				PTFE Coated Brass	
NOMINAL VOLTAGE	250 V AC/300 V DC (10-30 V DC LED models)					
PROTECTION	IP68					
PART NUMBERS						
4-pin / 4-wire	R-FS4TZ-V075		R-FS4TZ-P665	R-FA4TZ-P665	R-FS4TZ-T665	R-FA4TZ-T665
4-pin / 3-wire - PNP LED	R-FS4/3TP-V075					
4-pin / 3-wire - NPN LED	R-FS4/3TN-V075					
5-pin / 5-wire	R-FS5TZ-V075		R-FS5TZ-Y075	R-FA5TZ-Y075		
8-pin / 8-wire	R-FS8TZ-V075		R-FS8TZ-Y095	R-FA8TZ-Y095		

For Food Grade Stainless Steel Nuts	Add -SS on the end of the part #
For Weld Grade PTFE Coated Nuts	Add -PTFE on the end of the part #
For 18AWG wires	Add -18AWG on the end of the part #
For Factory Pre-Installed Silicone Sleeve	Add - S on the end of the part #
For custom lengths	Change "5" on the end of the part # to the desired length in meters
For male connectors	Change "F" in the part # to "M"
For custom colors	For PVC Cables, add - Black, -Grey, -Yellow, or -Orange to the end of the part #

NOTE: Specifications subject to change without notification.

TOLL FREE: 1-800-644-1756

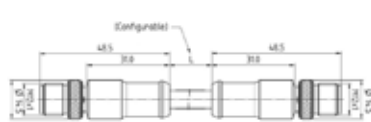
HTMTM
SENSORS



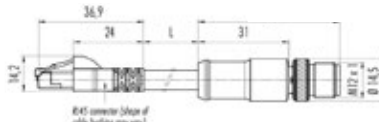
- ETHERNET CABLES FOR HIGH MOTION APPLICATIONS SUCH AS ROBOTS AND SERVOS
- INTERNAL SHIELDING REDUCES EFFECT OF EMI NOISE
- M12 D-CODED, X-CODED, RJ45 TERMINATION
- IP67 PROTECTION RATING

SERIES	DS ETHERNET				
CONNECTOR LOCKING SYSTEM	RJ45/M12 D-Coded				
WIRE GAUGE (AWG)	24				
DEGREE OF PROTECTION	IP20 (with RJ45 connectors) / IP67 (with M12 connectors)				
TEMPERATURE RANGE	-40 °C - 85 °C				
RATED VOLTAGE	50				
RATED CURRENT	1.5 A				
CABLE TYPE	Shielded CAT 5e				
MATERIAL OF CONTACT	CuZn (Brass)				
CONTACT PLATING	Au (gold)				
HOUSING MATERIAL	PUR				
CABLE JACKET	TPE				
INSULATION SINGLE LEAD	Polyethylene				
BENDING CYCLES	> 10 Million				
CABLE DIAMETER	6.6 mm				
PART NUMBERS (BY LENGTH)*	0.3 m	0.6 m	1 m	5 m	10 m
2 x 2 x 24 AWG TWISTED PAIR					
M12 MALE TO M12 MALE	DS-MS4TZ-T970.3+DS-MS	DS-MS4TZ-T970.6+DS-MS	DS-MS4TZ-T971+DS-MS	DS-MS4TZ-T975+DS-MS	DS-MS4TZ-T9710+DS-MS
M12 MALE TO RJ45	DS-MS4TZ-T970.3+RJM45	DS-MS4TZ-T970.6+RJM45	DS-MS4TZ-T971+RJM45	DS-MS4TZ-T975+RJM45	DS-MS4TZ-T9710+RJM45
RJ45 TO RJ45	DS-RJM45-T970.3+RJM45	DS-RJM45-T970.6+RJM45	DS-RJM45-T971+RJM45	DS-RJM45-T975+RJM45	DS-RJM45-T9710+RJM45
4 x 2 x 24 AWG TWISTED PAIR					
RJ45 TO RJ45	DS-RJM45-T980.3+RJM45	DS-RJM45-T980.6+RJM45	DS-RJM45-T981+RJM45	DS-RJM45-T985+RJM45	DS-RJM45-T9810+RJM45

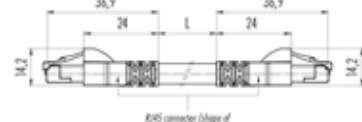
*Available in additional lengths of 2 m, 3 m, 4 m, 7 m, 15 m, 20 m, 25 m and 30 m. Consult Factory for longer than 30 m.



D-CODED MALE TO MALE CONNECTOR



D-CODED MALE TO RJ45 CONNECTOR



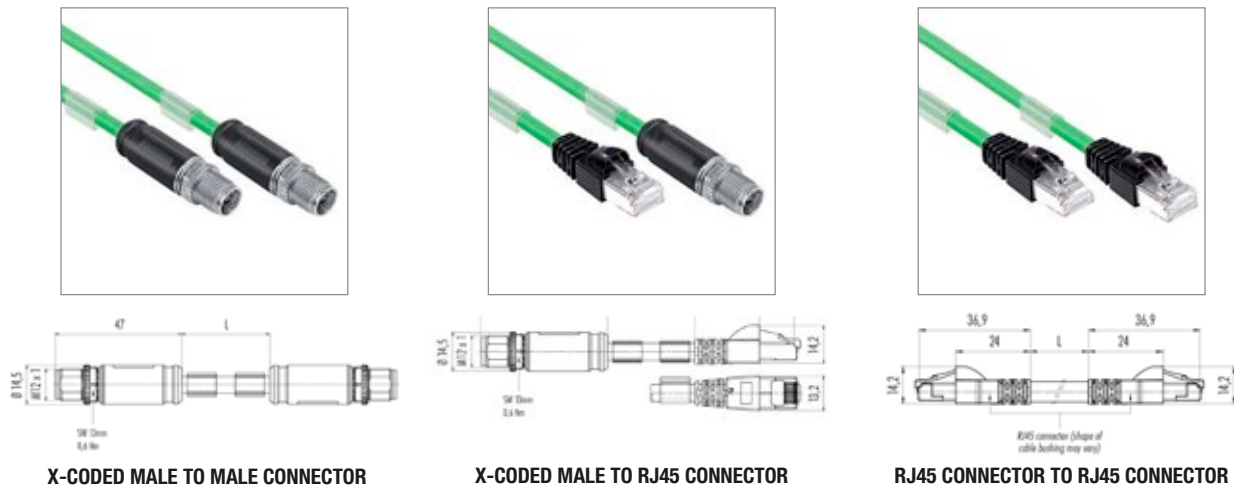
RJ45 CONNECTOR TO RJ45 CONNECTOR

FIELD CONNECTORS

MALE STRAIGHT	FEMALE STRAIGHT	RJ45	M12 D-CODED FEMALE to RJ45 SOCKET	M12 D-CODED MALE to RJ45 SOCKET	RJ45 SOCKET to RJ45 SOCKET
FC-12DMS4P-PG7/9	FC-12DFS4P-PG7/9	FC-RJM45	DS-FSBZ/0/M16x1.5+RJF45	DS-MSBZ/0/M16x1.5+RJF45	DS-RJF45FZ+RJF45

SERIES	XS ETHERNET				
CONNECTOR LOCKING SYSTEM	RJ45/M12 X-Coded				
WIRE GAUGE (AWG)	26/7				
DEGREE OF PROTECTION	IP20 (with RJ45 connectors) / IP67 (with M12 connectors)				
TEMPERATURE RANGE	-40 °C - 85 °C				
RATED VOLTAGE	50 V AC / 60 V DC				
RATED CURRENT	0.5 A				
CABLE TYPE	Shielded CAT 6A				
MATERIAL OF CONTACT	CuZn (Brass)				
CONTACT PLATING	Au (gold)				
HOUSING MATERIAL	PUR				
CABLE JACKET	PUR				
INSULATION SINGLE LEAD	Polyethylene				
CABLE DIAMETER	6.2 mm				
PART NUMBERS (BY LENGTH)*	0.3 m	0.6 m	1 m	5 m	10 m
M12 MALE TO M12 MALE	XS-MS8TZ-T890.3+XS-MS8	XS-MS8TZ-T890.6+XS-MS8	XS-MS8TZ-T891+XS-MS8	XS-MS8TZ-T895+XS-MS8	XS-MS8TZ-T8910+XS-MS8
M12 MALE TO RJ45	XS-MS8TZ-T890.3+RJM45	XS-MS8TZ-T890.6+RJM45	XS-MS8TZ-T891+RJM45	XS-MS8TZ-T895+RJM45	XS-MS8TZ-T8910+RJM45
RJ45 TO RJ45	XS-RJM45-T890.3+RJM45	XS-RJM45-T890.6+RJM45	XS-RJM45-T891+RJM45	XS-RJM45-T895+RJM45	XS-RJM45-T8910+RJM45

*Available in additional lengths of 2 m, 3 m, 4 m, 7 m, 15 m, 20 m, 25 m and 30 m. Consult Factory for longer than 10 m.



FIELD CONNECTORS

FEED THRU

			
MALE STRAIGHT	FEMALE STRAIGHT	M12 X-CODED FEMALE to RJ45 SOCKET	RJ45 SOCKET to RJ45 SOCKET
FC-12XMS8P-PG7/9	FC-12XFS8P-PG7/9	XS-FS8FZ/0/M16x1.5+RJF45	DS-RJF45FZ+RJF45

HIGH PERFORMANCE
SILICONE AUTOMOTIVE CABLES

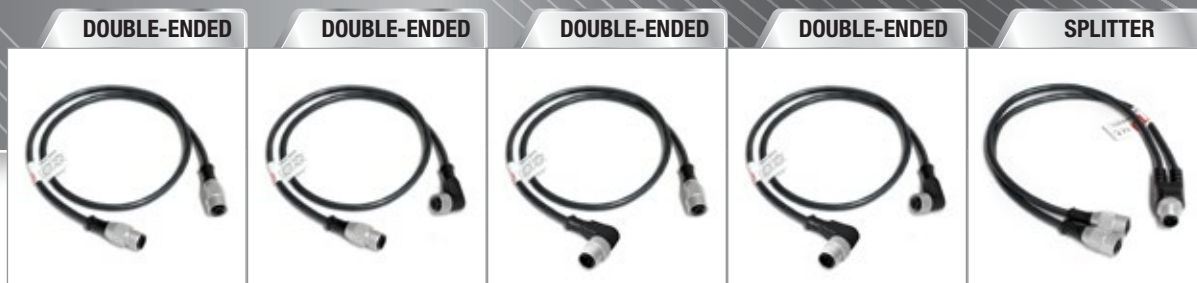
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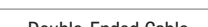
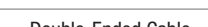
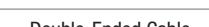


- HIGH PERFORMANCE SILICONE CABLES FOR AUTOMOTIVE APPLICATIONS
- M8 AND M12 VERSIONS ARE AVAILABLE IN ANY CONFIGURATION OR LENGTH
- PTFE COATED NUTS FOR SPATTER RESISTANCE
- DOUBLE-ENDED AND SPLITTER VERSIONS AVAILABLE
- IDEAL FOR USE IN WELD CELLS WHERE CABLES CAN GET DAMAGED

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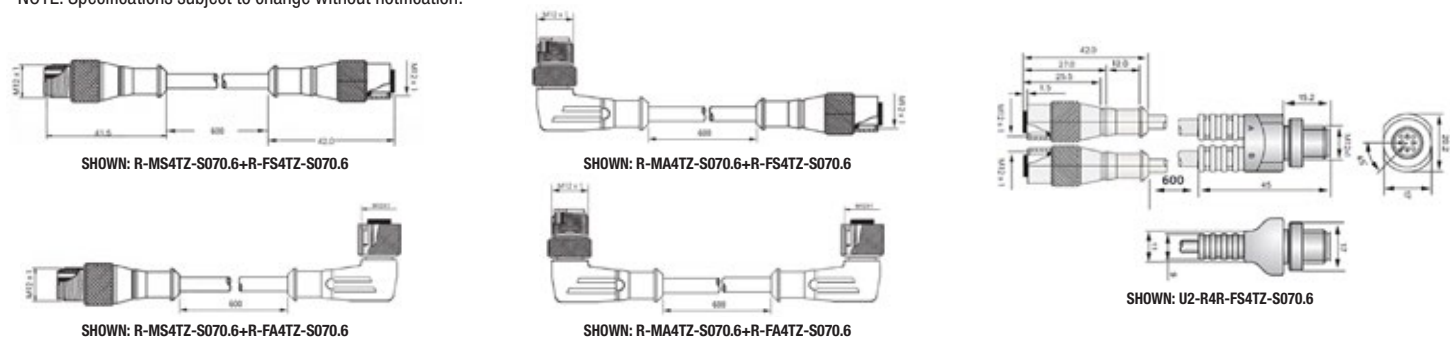
HIGH PERFORMANCE SILICONE AUTOMOTIVE CABLES SPECIFICATIONS



					
MALE CONNECTOR	Straight	Straight	Angled	Angled	Straight
FEMALE CONNECTOR	Straight	Angled	Straight	Angled	Straight
CABLE MATERIAL	Black Silicone	Black Silicone	Black Silicone	Black Silicone	Black Silicone
WIRE GAUGE	24 AWG				
NOMINAL VOLTAGE	250 V AC/300 V DC				
LOCKING NUT	Brass + PTFE (Grey)				
PROTECTION	IP68				
PART NUMBERS					
M12, 4-pin - 0.6 m	R-MS4TZ-S070.6+R-FS4TZ-S070.6	R-MS4TZ-S070.6+R-FA4TZ-S070.6	R-MA4TZ-S070.6+R-FS4TZ-S070.6	R-MA4TZ-S070.6+R-FA4TZ-S070.6	U2-R4R-FS4TZ-S070.6
M12, 4-pin - 2.0 m	R-MS4TZ-S072+R-FS4TZ-S072	R-MS4TZ-S072+R-FA4TZ-S072	R-MA4TZ-S072+R-FS4TZ-S072	R-MA4TZ-S072+R-FA4TZ-S072	U2-R4R-FS4TZ-S072

Custom lengths and connector styles are available

NOTE: Specifications subject to change without notification.



HIGH PERFORMANCE SILICONE AUTOMOTIVE CABLES ARE THE BEST CHOICE FOR EXTRA DURABILITY IN WELD CELLS WHERE CABLES ARE EXPOSED TO HIGH HEAT, WELD SPATTER AND SHARP TOOLS OR PARTS.



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HIGH PERFORMANCE, SILICONE PROTECTED
TPE AUTOMOTIVE CABLES

HTMTM
SENSORS



- HIGH PERFORMANCE TPE CABLES FOR AUTOMOTIVE APPLICATIONS
- 10 MILLION FLEX RATING FOR LONG-LASTING PERFORMANCE
- ANTI-VIBRATION NUTS FOR RELIABLE CONNECTION
- SILICONE PROTECTED WITH PTFE COATED NUTS FOR SPATTER RESISTANCE
- SINGLE-ENDED, DOUBLE-ENDED AND SPLITTER VERSIONS AVAILABLE
- IDEAL FOR USE IN WELD CELLS WHERE CABLES CAN GET DAMAGED



HIGH PERFORMANCE, SILICONE PROTECTED TPE AUTOMOTIVE CABLES SPECIFICATIONS

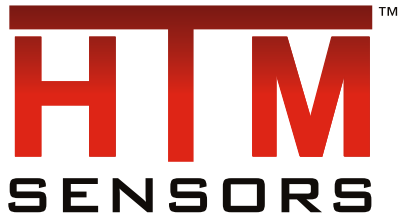


	Double-Ended Cable	Double-Ended Cable	Double-Ended Cable	Double-Ended Cable	Splitter Cable
MALE CONNECTOR	Straight	Straight	Angled	Angled	Straight
FEMALE CONNECTOR	Straight	Angled	Straight	Angled	Straight
CABLE MATERIAL	TPE - Silicone Protected	TPE - Silicone Protected	TPE - Silicone Protected	TPE - Silicone Protected	TPE - Silicone Protected
FLEX RATING	10 Million Cycles per Mil-C-13777G	10 Million Cycles per Mil-C-13777G	10 Million Cycles per Mil-C-13777G	10 Million Cycles per Mil-C-13777G	10 Million Cycles per Mil-C-13777G
ANTI-VIBRATION NUTS	PTFE Coated	PTFE Coated	PTFE Coated	PTFE Coated	PTFE Coated
PART NUMBERS					
M12, 4-pin - 0.6 m	R-MS4TZ-T660.6+ R-FS4TZ-T660.6-S	R-MS4TZ-T660.6+ R-FA4TZ-T660.6-S	R-MA4TZ-T660.6+ R-FS4TZ-T660.6-S	R-MA4TZ-T660.6+ R-FA4TZ-T660.6-S	U2-R4R-FS4KZ-T660.6-S
M12, 4-pin - 2.0 m	R-MS4TZ-T662+ R-FS4TZ-T662-S	R-MS4TZ-T662+ R-FA4TZ-T662-S	R-MA4TZ-T662+ R-FS4TZ-T662-S	R-MA4TZ-T662+ R-FA4TZ-T662-S	U2-R4R-FS4KZ-T662-S
Custom lengths and connector styles are available					
M8 connectors are available on either or both ends					

NOTE: Specifications subject to change without notification.

HIGH PERFORMANCE, SILICONE PROTECTED TPE AUTOMOTIVE CABLES ARE THE BEST CHOICE FOR EXTRA DURABILITY IN WELD CELLS WHERE CABLES ARE EXPOSED TO HIGH HEAT, WELD SPATTER AND SHARP TOOLS OR PARTS.





- HIGH PERFORMANCE TPE CABLES FOR AUTOMOTIVE APPLICATIONS
- 10 MILLION FLEX RATING FOR LONG-LASTING PERFORMANCE
- ANTI-VIBRATION NUTS FOR RELIABLE CONNECTION
- PTFE COATED NUTS FOR SPATTER RESISTANCE
- SINGLE-ENDED, DOUBLE-ENDED AND SPLITTER VERSIONS AVAILABLE
- IDEAL FOR USE IN WELD CELLS WHERE CABLES CAN GET DAMAGED



HIGH PERFORMANCE TPE AUTOMOTIVE CABLES SPECIFICATIONS

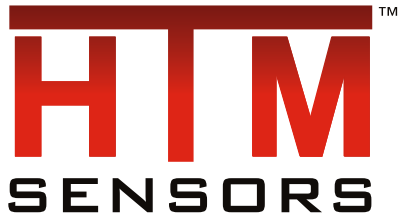


	Double-Ended Cable	Double-Ended Cable	Double-Ended Cable	Double-Ended Cable	Splitter Cable
MALE CONNECTOR	Straight	Straight	Angled	Angled	Straight
FEMALE CONNECTOR	Straight	Angled	Straight	Angled	Straight
CABLE MATERIAL	TPE	TPE	TPE	TPE	TPE
FLEX RATING	10 Million Cycles per Mil-C-13777G	10 Million Cycles per Mil-C-13777G	10 Million Cycles per Mil-C-13777G	10 Million Cycles per Mil-C-13777G	10 Million Cycles per Mil-C-13777G
ANTI-VIBRATION NUTS	PTFE Coated	PTFE Coated	PTFE Coated	PTFE Coated	PTFE Coated
PART NUMBERS					
M12, 4-pin - 0.6 m	R-MS4TZ-T660.6+ R-FS4TZ-T660.6	R-MS4TZ-T660.6+ R-FA4TZ-T660.6	R-MA4TZ-T660.6+ R-FS4TZ-T660.6	R-MA4TZ-T660.6+ R-FA4TZ-T660.6	U2-R4R-FS4KZ-T660.6
M12, 4-pin - 2.0 m	R-MS4TZ-T662+ R-FS4TZ-T662	R-MS4TZ-T662+ R-FA4TZ-T662	R-MA4TZ-T662+ R-FS4TZ-T662	R-MA4TZ-T662+ R-FA4TZ-T662	U2-R4R-FS4KZ-T662
Custom lengths and connector styles are available					
M8 connectors are available on either or both ends					

NOTE: Specifications subject to change without notification.

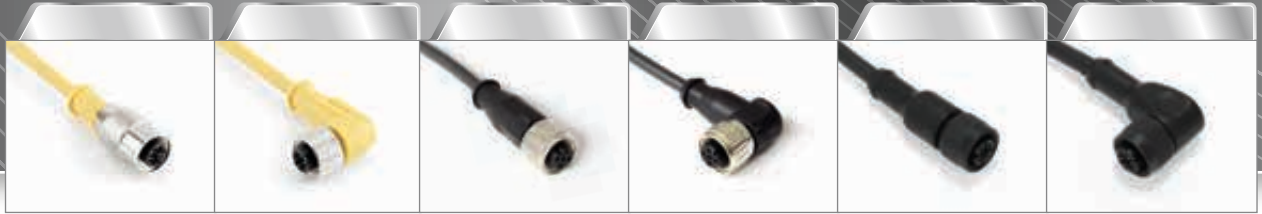
HIGH PERFORMANCE TPE AUTOMOTIVE CABLES ARE THE BEST CHOICE FOR EXTRA DURABILITY IN WELD CELLS WHERE CABLES ARE EXPOSED TO HIGH HEAT, WELD SPATTER AND SHARP TOOLS OR PARTS.





- QUICK-CONNECT SENSOR CABLES FOR SENSOR CONNECTIONS
- LOW PRICES WITH THOUSANDS IN STOCK FOR SAME-DAY SHIPPING
- AVAILABLE IN LOW-COST PVC, OIL-RESISTANT PUR, AND SPATTER-RESISTANT TPE
- AVAILABLE IN YELLOW, BLACK OR GREY OR CUSTOM COLORS
- AVAILABLE IN STANDARD 5 m LENGTH, OR ANY CUSTOM LENGTH
- ANY STYLE AVAILABLE WITH PRE-INSTALLED PROTECTIVE SILICONE JACKET

QUICK-CONNECT SENSOR CABLES - M12 SPECIFICATIONS

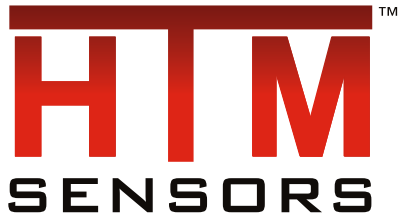


CONNECTION	M12 PVC		M12 PUR		M12 TPE	
CONNECTOR	Female Straight	Female Angled	Female Straight	Female Angled	Female Straight	Female Angled
CABLE MATERIAL	Low-Cost PVC		Oil-Resistant PUR		Weld Spatter Resistant TPE	
WIRE GAUGE	22 AWG					
THREADED CONNECTOR	Nickel-plated Brass				PTFE Coated Brass	
NOMINAL VOLTAGE	250 V AC/300 V DC (10-30 V DC LED models)					
PROTECTION	IP68					
PART NUMBERS						
4-pin / 4-wire	R-FS4TZ-V075	R-FA4TZ-V075	R-FS4TZ-P665	R-FA4TZ-P665	R-FS4TZ-T665	R-FA4TZ-T665
4-pin / 3-wire - PNP LED	R-FS4/3TP-V075	R-FA4/3TP-V075				
4-pin / 3-wire - NPN LED	R-FS4/3TN-V075	R-FA4/3TN-V075				
5-pin / 5-wire	R-FS5TZ-V075	R-FA5TZ-V075	R-FS5TZ-Y075	R-FA5TZ-Y075		
8-pin / 8-wire	R-FS8TZ-V075	R-FA8TZ-V075	R-FS8TZ-Y095	R-FA8TZ-Y095		
For Food Grade Stainless Steel Nuts	Add -SS on the end of the part #					
For Weld Grade PTFE Coated Nuts	Add -PTFE on the end of the part #					
For 18AWG wires	Add -18AWG on the end of the part #					
For Factory Pre-Installed Silicone Sleeve	Add - S on the end of the part #					
For custom lengths	Change "5" on the end of the part # to the desired length in meters					
For male connectors	Change "F" in the part # to "M"					
For custom colors	For PVC Cables, add - Black, -Grey, -Yellow, or -Orange to the end of the part #					

NOTE: Specifications subject to change without notification.

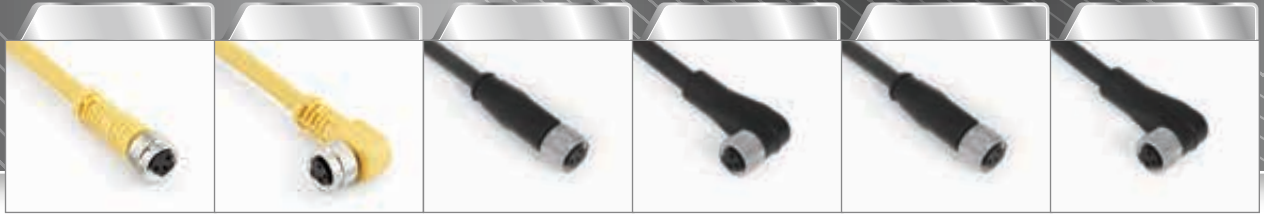
QUICK-CONNECT SENSOR CABLES HAVE A LOW PRICE,
AND THOUSANDS IN STOCK FOR SAME DAY SHIPPING.





- QUICK-CONNECT SENSOR CABLES FOR SENSOR CONNECTIONS
- LOW PRICES WITH THOUSANDS IN STOCK FOR SAME-DAY SHIPPING
- AVAILABLE IN LOW-COST PVC, OIL-RESISTANT PUR, AND SPATTER RESISTANT TPE
- AVAILABLE IN YELLOW, BLACK OR GREY OR CUSTOM COLORS
- AVAILABLE IN STANDARD 5 m LENGTH, OR ANY CUSTOM LENGTH
- ANY STYLE AVAILABLE WITH PRE-INSTALLED PROTECTIVE SILICONE JACKET

QUICK-CONNECT SENSOR CABLES - M8 SPECIFICATIONS

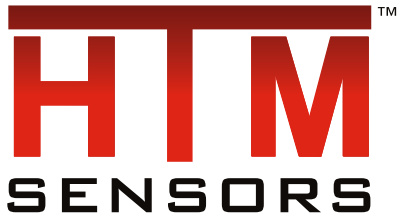


CONNECTION	M8 PVC		M8 PUR		M8 TPE	
CONNECTOR	Female Straight	Female Angled	Female Straight	Female Angled	Female Straight	Female Angled
CABLE MATERIAL	Low-Cost PVC		Oil-Resistant PUR		Weld Spatter Resistant TPE	
WIRE GAUGE	22 AWG					
THREADED CONNECTOR	Nickel-plated Brass					
NOMINAL VOLTAGE	250 VAC/300 VDC (10-30 VDC LED models)					
PROTECTION	IP67					
PART NUMBERS						
3-pin / 3-wire	C-FS3TZ-V075	C-FA3TZ-V075	C-FS3TZ-P665	C-FA3TZ-P665	C-FS3TZ-T665	C-FA3TZ-T665
3-pin / 3-wire - PNP LED		C-FA3TP-V075				C-FA3TP-T665
3-pin / 3-wire - NPN LED		C-FA3TN-V075				C-FA3TN-T665
4-pin / 4-wire	C-FS4TZ-V075	C-FA4TZ-V075	C-FS4TZ-P665	C-FA4TZ-P665	C-FS4TZ-T665	C-FA4TZ-T665
For Food Grade Stainless Steel Nuts	Add -SS on the end of the part #					
For Weld Grade PTFE Coated Nuts	Add -PTFE on the end of the part #					
For 18AWG wires	Add -18AWG on the end of the part #					
For Factory Pre-Installed Silicone Sleeve	Add - S on the end of the part #					
For custom lengths	Change "5" on the end of the part # to the desired length in meters					
For male connectors	Change "F" in the part # to "M"					
For custom colors	For PVC Cable, add - Black, -Grey, -Yellow, or -Orange to the end of the part #					

NOTE: Specifications subject to change without notification.

QUICK-CONNECT SENSOR CABLES HAVE A LOW PRICE,
AND THOUSANDS IN STOCK FOR SAME DAY SHIPPING.





- FACTORY PRE-INSTALLED SILICONE CABLES FOR DURABILITY
- SILICONE JACKET TO PROTECT FROM HEAT, CUTS AND SPATTER
- LED'S ON THE END FOR FAST AND EASY TROUBLESHOOTING
- PTFE COATED NUTS FOR SPATTER RESISTANCE
- INSIDE CABLE IS MADE OF TPE FOR EXTENDED DURABILITY
- IDEAL FOR USE IN WELD CELLS WHERE CABLES CAN GET DAMAGED

FACTORY PRE-INSTALLED SILICONE CABLES SPECIFICATIONS



	Double-Ended Cable	Double-Ended Cable	Double-Ended Cable	Double-Ended Cable	Splitter Cable
MALE CONNECTOR	Straight	Straight	Angled	Angled	Straight
FEMALE CONNECTOR	Straight	Angled	Straight	Angled	Straight
CABLE MATERIAL	TPE	TPE	TPE	TPE	TPE
PROTECTIVE CABLE JACKET	Silicone Tube	Silicone Tube	Silicone Tube	Silicone Tube	Silicone Tube
LOCKING NUTS	PTFE Coated	PTFE Coated	PTFE Coated	PTFE Coated	PTFE Coated
LED ON FEMALE END	Power and Output	Power and Output	Power and Output	Power and Output	
PART NUMBERS					
M12, 4-pin - 0.6 m PNP	R-MS4TZ-T070.6+ R-FS4/3TP-T070.6-S	R-MS4TZ-T070.6+ R-FA4/3TP-T070.6-S	R-MA4TZ-T070.6+ R-FS4/3TP-T070.6-S	R-MA4TZ-T070.6+ R-FA4/3TP-T070.6-S	
M12, 4-pin - 0.6 m no LED	R-MS4TZ-T070.6+ R-FS4TZ-T070.6-S	R-MS4TZ-T070.6+ R-FA4/3TZ-T070.6-S	R-MA4TZ-T070.6+ R-FS4/3TZ-T070.6-S	R-MA4TZ-T070.6+ R-FA4/3TZ-T070.6-S	U2-R4R-FS4KZ- T070.6-S
M12, 4-pin - 2.0 m PNP	R-MS4TZ-T072+ R-FS4/3TP-T072-S	R-MS4TZ-T072+ R-FA4/3TP-T072-S	R-MA4TZ-T072+ R-FS4/3TP-T072-S	R-MA4TZ-T072+ R-FA4/3TP-T072-S	
M12, 4-pin - 2.0 m no LED	R-MS4TZ-T072+ R-FS4TZ-T072-S	R-MS4TZ-T072+ R-FA4TZ-T072-S	R-MA4TZ-T0702+ R-FS4TZ-T072-S	R-MA4TZ-T0702+ R-FA4TZ-T072-S	U2-R4R-FS4KZ- T072-S
NPN is available, change "P" to "N" in part number.					
Custom lengths and connector styles are available.					
M8 connectors are available on either or both ends.					

NOTE: Specifications subject to change without notification.

FACTORY PRE-INSTALLED SILICONE CABLES ARE THE BEST CHOICE FOR EXTRA DURABILITY IN WELD CELLS WHERE CABLES ARE EXPOSED TO HIGH HEAT, WELD SPATTER, AND SHARP TOOLS OR PARTS.

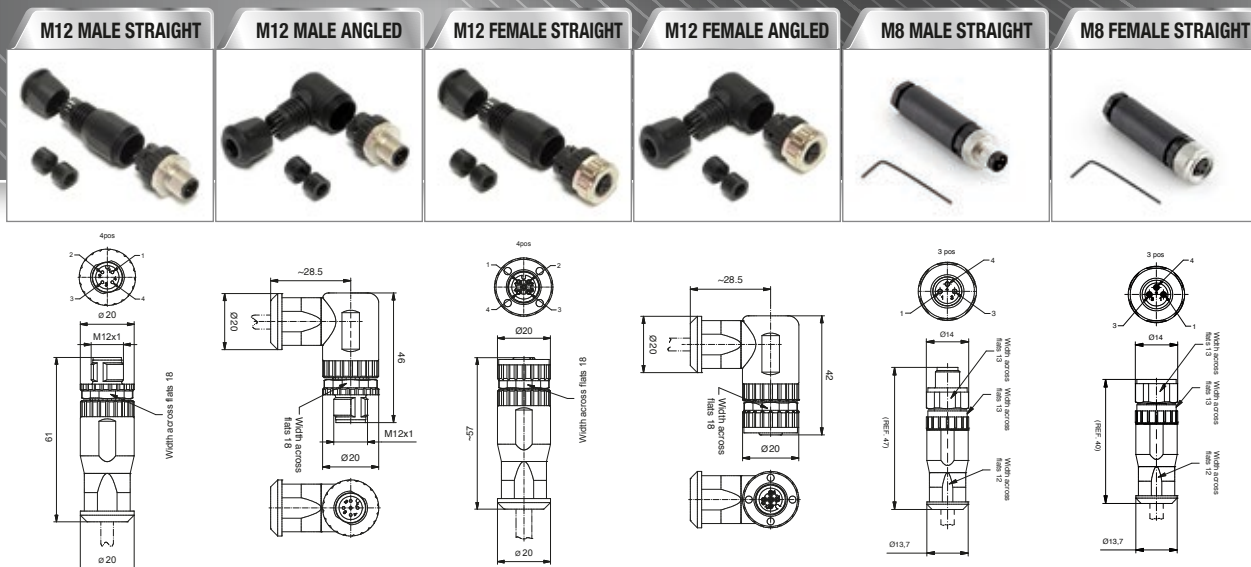


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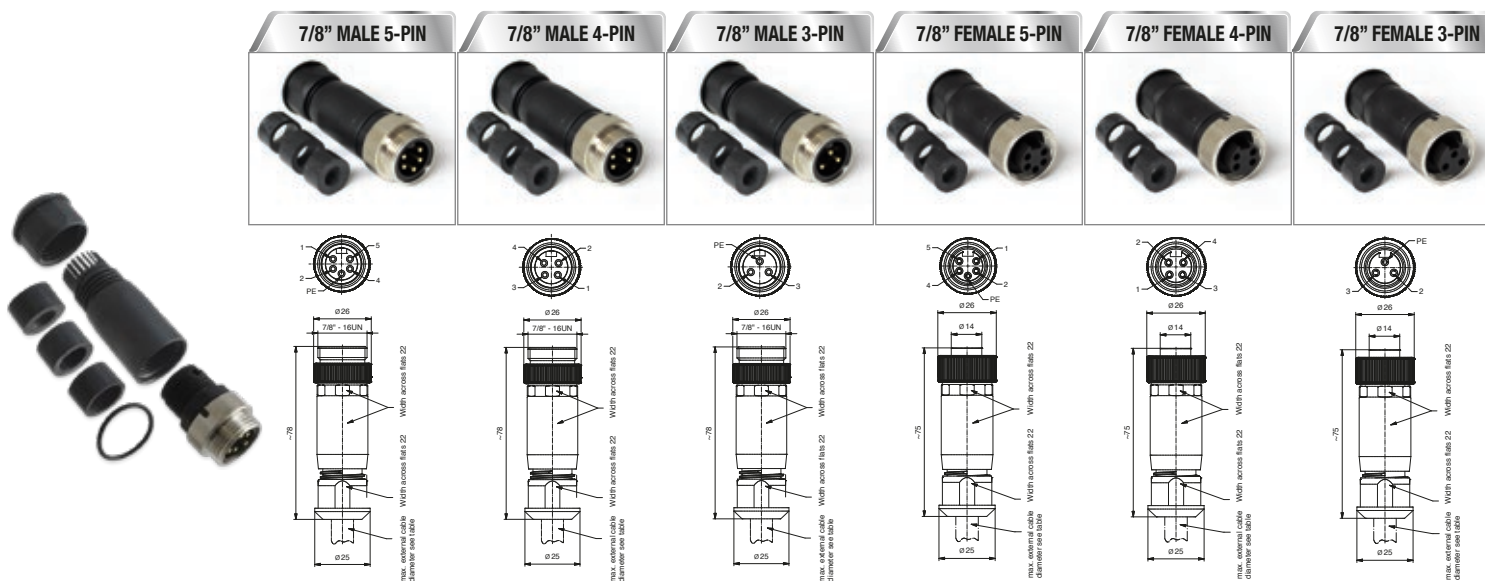
- FIELD CONNECTORS FOR QUICK CABLE REPAIRS AND CONNECTIONS
- LOW PRICES WITH THOUSANDS IN STOCK FOR SAME-DAY SHIPPING
- METAL SCREW TERMINALS FOR A SECURE CONNECTION
- AVAILABLE IN M8, M12 (A, D, X CODING), 7/8" MINI
- PERFECT SOLUTION TO CONNECT CABLES TO DISTRIBUTION BLOCKS
- COMPATIBLE WITH INDUSTRY STANDARD CONNECTORS FOUND ON ETHERNET/IP, PROFINET AND ETHERCAT DISTRIBUTION BLOCKS

FIELD CONNECTORS SPECIFICATIONS



PROTECTION	IP67					
CONNECTION MODE	Screw Clamps					
PART NUMBERS						
M12 Micro - 4-Pin *	FC-12MS4P-PG7/9	FC-12MA4P-PG7/9	FC-12FS4P-PG7/9	FC-12FA4P-PG7/9		
M8 Pico - 3-Pin					C-MS3KZ/SC	C-FS3KZ/SC
M8 Pico - 4-Pin					C-MS4KZ/SC	C-FS4KZ/SC

* M12 Micro - 4-Pin connectors can be utilized in PG7 and PG9 applications. Stock one part for both sizes.



PROTECTION	IP67					
CONNECTION MODE	Screw Clamps					
PART NUMBERS						
7/8" Mini Field Connectors	FC-78MS5P-PG9	FC-78MS4P-PG9	FC-78MS3P-PG9	FC-78FS5P-PG9	FC-78FS4P-PG9	FC-78FS3P-PG9

* 7/8" Mini connectors can be utilized in PG9, PG11 and PG13.5 applications. Stock one part for all sizes.

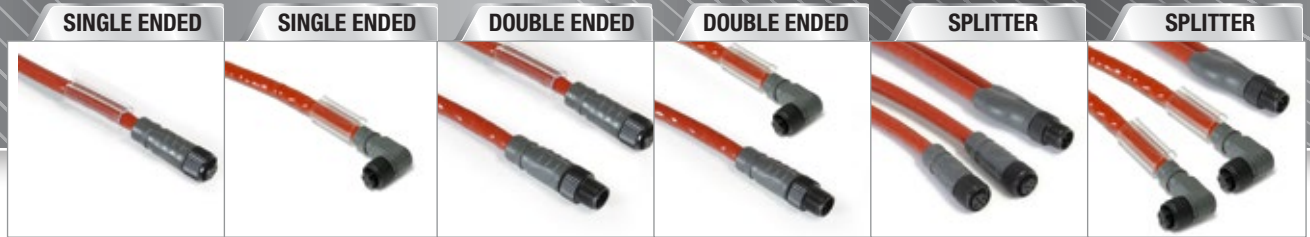
FIELD CONNECTORS ARE A QUICK AND INEXPENSIVE SOLUTION TO FIELD REPAIRS OF CABLES AND CONNECTIONS TO DISTRIBUTION BLOCKS.

TOLL FREE: 1-800-644-1756



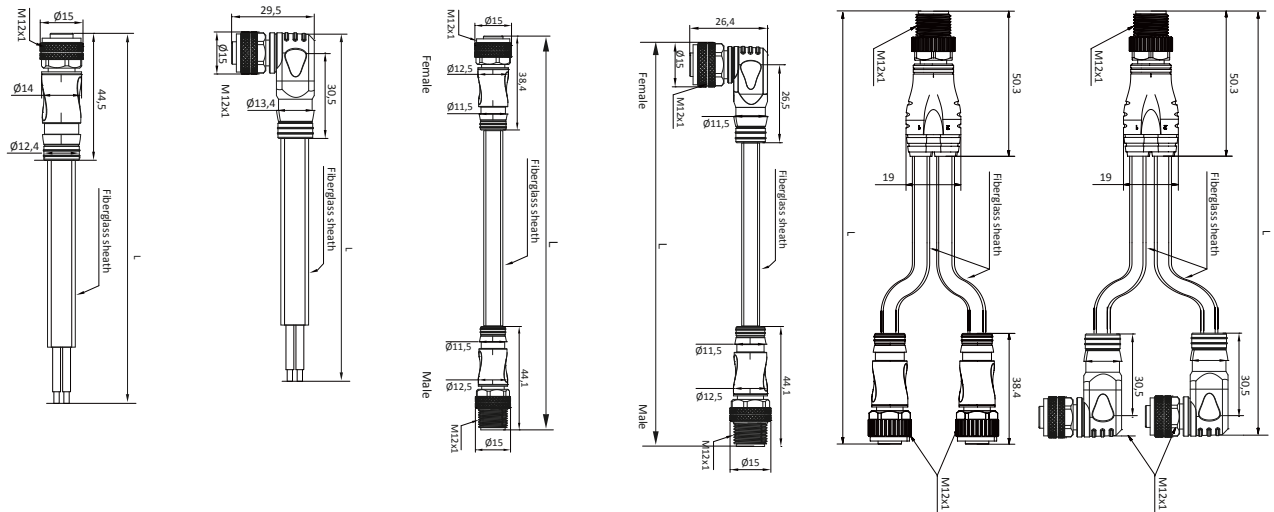
- HTMSENSORS.COM

M12



Connection	M12 A-coded		M12 A-coded		M12 A-coded	
Male Connector	N/A	N/A	Straight	Straight	Straight	Straight
Female Connector	Straight	Angled	Straight	Angled	2 x Straight	2 x Angled
Cable Material	Hi-Flex PUR					
Flex Rating	10 Million Cycles per Mil-C-13777G					
Wire Gauge	4 x 22 AWG					
Threaded Connector	PTFE coated Die-Cast Zinc					
Nominal Voltage	250 V					
Protection	IP67					
PART NUMBERS	*R-FS4TZ-F07X	*R-FA4TZ-F07X	*R-MS4TZ-F07X+R-FS4	*R-MS4TZ-F07X+R-FA4	*Y2-R4R-FS3TZ-F07X	*Y2-R4R-FA3TZ-F07X
*NOTE: X in part number represents length in m. Custom lengths available upon request.						
STANDARD LENGTHS	2 m, 5 m		0.3 m, 0.6 m, 1 m, 2 m, 3 m, 5 m, 10 m		0.6 m, 2 m	

NOTE: Specifications subject to change without notification.



SPATTERGUARD™ CABLES WITH SILICONE COATED, FIBERGLASS SLEEVING ARE THE BEST CHOICE FOR EXTRA DURABILITY IN WELD CELLS WHERE CABLES ARE EXPOSED TO HIGH HEAT, WELD SPATTER AND SHARP TOOLS OR PARTS. THE PROTECTIVE SLEEVING IS MOLDED RIGHT INTO THE CONNECTOR SO THERE ARE NO GAPS FOR WELD SLAG TO PENETRATE.

