

# Cables and Mating Connectors

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## Test & Measurement Sensors



### DESCRIPTION

Cable assemblies and mating connectors for Honeywell's pressure, load and torque catalog products are offered through Honeywell's online configurator in standard cable lengths of 15 ft [4.5 m], 50 ft [15.2 m] and 100 ft [30.5 m]. Other lengths are available by consulting the factory. Mating connectors offered for pressure, load, and torque sensors are available for general duty. Honeywell also offers optional connectors for environmental protection and high temperature applications. Contact Honeywell to discuss a modification or a custom order to meet a specific application and/or operating environment.

Honeywell's default-type cable offer is PVC, with an optional choice of Teflon<sup>®</sup>, neoprene, or polyurethane. Other types are available upon request. Depending on the model and options chosen, there are various wiring configurations that can be used

with Honeywell cable assemblies. This datasheet and website configurator will help determine the proper cable assembly for specific product applications.

Mating connectors are available to connect to pressure, load, torque, and accelerometer transducer electrical terminations for general duty, as well as, for environmental protection or high temperatures. These include, but are not limited to, connectors: PT06A-10-6A, PC06A-10-6S, MS3106A-14S-6S (SR), MS3106A-14S-5S, MS3106A-14S-2S, MS3476L-10-6S, PG9, PG11, and DP-4S-1.

For special configurations and/or requirements, please contact Honeywell.

### CABLE ASSEMBLY FEATURES

- Cable assemblies in 15 ft [4.5 m], 50 ft [15.2 m] and 100 ft [30.5 m] lengths of various 3, 4, 5, or 6 conductor cable
- PVC (std.) or teflon, neoprene, polyurethane ( optional)
- Cables made with various wiring options that are compatible with several different conductor cables
- Cable assemblies match directly with both the sensor and our instrument
- Custom lengths and configurations – Contact Honeywell

### MATING CONNECTOR FEATURES

- MS, PT or PC series types
- General duty applications
- Environmental protection (optional)
- High temperature (optional)
- For custom connectors – Contact Honeywell

# Cables and Mating Connectors

## ONLINE CONFIGURATOR

Honeywell has developed an online configurator for standard catalog pressure, load and torque products. The following pages of information with Model cross references to the CABLE ASSEMBLY BASE ORDER CODES and WIRING OPTIONS can be used when working with the online configurator.

A sample of the website's cable assembly configurator can be found to the right.

There is a set of Cable Assembly Base Order Codes to first select from (Model cross references can be found in this data sheet). The user is then walked through a series of options which include, range or cable length choice, type of cable, a wiring option (model cross references can be found in this data sheet), and finally an option for secondary termination choice. Please check out the Honeywell Test and Measurement website (<http://measurementsensors.honeywell.com>) for an interactive session .

Cable Assembly Order Code Format		
CA301XX,XX,XX,XX		
		
<b>Cable Type</b>		
6AZ		PVC Cable with Operating Temperature of -28 to 71 deg.C (-20 to 160 deg.F)
6BA		Teflon Cable with Operating Temperature of -53 to 246 deg.C. (-65 to 475 deg.F).
6BB		Neoprene Cable with Operating Temperature of -17 to 82 deg.C (0 to 180 deg.F).
6BC		Polyurethane Cable with Operating Temperature of Max to 82 deg.C. (180 deg.F.)
<b>Wiring Codes</b>		
7A		Amplified sensor with 4 wire, +/- 5 VDC output and +/-15 or 26 to 32 VDC input (option 2A or 2B) with Internal Shunt Calibration or Internal Remote Buffered Shunt Calibration. See Datasheet for Applicable Models
7B		Amplified sensor with 3 wire, 5 VDC output and 11 to 28 VDC input (option 2C) or 3 wire, 10 VDC output and 15 to 28 VDC input (option 2T) or 3 wire, 4 to 20 mA output and 22 to 32 VDC input (2J) all with Internal Shunt Calibration or Internal Remote Buffered Shunt Calibration. See Datasheet for Applicable Models
7C		Amplified sensor with 3 wire, 5 VDC output and 9 to 32 VDC input (option 2D & 2E) or 3 wire, 10 VDC output and 9 to 32 VDC input (option 2F or 2G) for Model FP
7D		Amplified sensor with 3 wire, 5 VDC output and 9 to 32 VDC input (option 2E) or 3 wire, 10 VDC output and 9 to 32 VDC input (option 2F ) and Internal Remote Buffered Shunt Calibration for Model FP
7E		Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 VDC input (for option 2K,2P,2Y) and 9 to 28 VDC input for Intrinsic Safety (option 2N). See Datasheet for Applicable Models
7F		Non-amplified sensor with mV/V output (Sensotec Products) and voltage input (option 2U). See Datasheet for Applicable Models
7G		Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with Internal Shunt Calibration (option 2U & 8A). See Datasheet for Applicable Models
7H		Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with Internal Remote Buffered Shunt Calibration (option 2U & 3D). See Datasheet for Applicable Models
7I		Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with Internal Signature Calibration Module (option 53E) or Internal TEDS Module (option 53T). See Datasheet for Applicable Models
7J		Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 VDC input for option 2K and 2Y or 9 to 28 VDC input for Intrinsic Safety option 2N with Internal Remote Buffered Shunt Calibration. See Datasheet for Applicable Models
7K		Amplified or Non-amplified sensor with mV/V, Voltage or mA output with DIN style termination (option 6M or 6N). See Datasheet for Applicable Models
7L		Non-amplified sensor with mV/V output (option 2U) for 1600 Series Models
7M		Non-amplified sensor with mV/V output (option 2U) for 1800 Series Models
7N		Amplified sensor output for 1700 Series Models
7O		Non-amplified sensor with mV/V output (Lebow Products) for Western Regional Wiring Code (option 2U). See Datasheet for Applicable Models
7P		Non-amplified sensor with mV/V output (option 2U) for Model 6443. See Datasheet for Applicable Models
7Q		Non-amplified sensor with mV/V output (option 2U) for 1254 Series Models
7R		Non-amplified sensor with mV/V output (option 2U) for Model 1369
7S		Amplified sensor with 0 to 5 vdc Analog output and either RS-232 Digital Output (option 2Z) or RS-485 Digital Output (option 2AA) for Model DS
7T		Non-amplified sensor with mV/V output (Sensotec Products) and voltage input and Sense Leads (option 2U). See Datasheet for Applicable Models
7U		Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with Internal Shunt Calibration and Sense Leads (option 2U & 8A). See Datasheet for Applicable Models
7V		Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with Internal Remote Buffered Shunt Calibration and Sense Leads (option 2U & 3D). See Datasheet for Applicable Models
7W		Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with Internal Signature Calibration Module (option 53E) or Internal TEDS Module (option 53T) and Sense Leads. See Datasheet for Applicable Models
7Y		Non-amplified sensor with mV/V output (Lebow Products) and Western Regional Wiring Code and Sense Leads (option 2U). See Datasheet for Applicable Models
7Z		Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 6443. See Datasheet for Applicable Models
7AA		Non-amplified sensor with mV/V output and Sense Leads (option 2U) for 1254 Series Models
7AB		Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 1369
<b>Secondary termination</b>		
33A		Secondary Termination of Pigtail leads
33B		Secondary Electrical Termination for Model SC Instrument
33C		Secondary Electrical Termination for Model 7541 Instrument
33D		Secondary Electrical Termination for Model NK Instrument
33E		Secondary Electrical Termination for Model 7554 Instrument
33F		Secondary Electrical Termination for Model 7561-PSD Instrument
33G		Secondary Electrical Termination for Model 7927 Shunt Cal Reference Box
<b>Length in ft</b>		
BJ	15 ft	
BN	50 ft	
BR	100 ft	

### BASE ORDER CODE DESCRIPTIONS

Order Code	Description
CA301	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10. See datasheet for applicable models
CA302	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14. See datasheet for applicable models
CA303	Cable assembly with Amphenol MS Series, straight plug, 6 socket, shell size 14. See datasheet for applicable models
CA304	Cable assembly with Bendix PC Series, straight plug, 6 socket, shell size 10. See datasheet for applicable models
CA305	Cable assembly with DIN 43650 straight plug, 4 socket. See datasheet for applicable models
CA306	Cable assembly with Bendix PT Series, straight plug, 10 socket, shell size 12. See datasheet for applicable models
CA307	Cable assembly with Bendix PT Series, straight plug, 8 socket, shell size 12. See datasheet for applicable models
CA308	Cable assembly with Binder 12 socket, KV120. See datasheet for applicable models
CA309	Cable assembly with Amphenol MS Series, 4 socket, shell size 14 for Wing Union Pressure Transducer See datasheet for applicable models
CA310	Cable assembly with Bendix Receptacle, PT01 Series, 10 socket, shell size 12. See datasheet for applicable models
CA311	Cable assembly with Amphenol MS Series, Wall Mounting (Bulk) Plug, 5 socket, shell size 14. See datasheet for applicable models
CA312	Cable assembly for high temperature with Amphenol MS Series, 6 socket, shell size 10 (MS-3476L-10-6S(SR)). See datasheet for applicable models
CA313	Cable assembly with DIN 40050 straight plug, 4 socket. See datasheet for applicable models

# Cables and Mating Connectors

## PRESSURE SENSORS

Wiring Options for Cable/Online Configurator →			7A	7B	7C	7D	7E	7F	7G	7H	7I		
SENSOR OPTIONS →			(2A or 2B)	(2C 2J or 2T)	(2D, 2E, 2F or 2G)	(2E & 3D 2F & 3D)	(2K, 2N, 2P, 2Y)	(2U)	(2U & 8A)	(2U & 3D)	(2U & 53E, 53T)		
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	<p>Amplified sensor with 4 wire, ±5 Vdc output and ±15 Vdc or 26 Vdc to 32 Vdc input (option 2A or 2B) with internal shunt calibration or internal remote buffered shunt calibration.</p> <p>Amplified sensor with 3 wire, 5 Vdc output and 11 to 28 Vdc input (option 2C) or 3 wire, 10 Vdc output and 15 Vdc to 28 Vdc input (option 2T) or 3 wire, 4 to 20 mA output and 22 to 32 Vdc input (2J) all with internal shunt calibration or internal remote buffered shunt calibration.</p> <p>Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2D &amp; 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F or 2G) for Model FP</p> <p>Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F) and internal remote buffered shunt calibration for Model FP</p> <p>Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input (for option 2K, 2P, 2Y) and 9 to 28 Vdc input for intrinsic Safety (option 2N).</p> <p>Non-amplified sensor with mV/V output (Sensotec Prod.) &amp; voltage input (option 2U).</p> <p>Non-amplified sensor with mV/V output and voltage input with internal shunt calibration (option 2U &amp; 8A).</p> <p>Non-amplified with mV/V output (Sensotec Prod.) &amp; voltage input with internal remote buffered shunt calibr. (option 2U &amp; 3D).</p> <p>Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal Signature calibration module (option 53E) or internal TEDS Module (option 53T).</p>									
355	BP313	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301		x			x					
415	AP411/ AP412							x					
424	BP424	Cable assembly with Amphenol MS Series, 4 socket, shell size 14 (MS-3106F-14-2S)	CA309					x					
425	BP425							x					
440	AP415/ AP416	Cable assembly with DIN 43650 straight plug, 4 socket	CA305					x					
A-105	AP311	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301						x				
A-105a	AP313- AP318				x				x				
A-205	AP312									x			
A-205a	AP314- AP316					x				x			
A-5	AP141/ AP142				x	x				x	x	x	x
AS17A	AP161						x				x	x	
AS19G	AP162						x				x	x	
DS	AP611- AP614	Cable assembly with Bendix PT Series, straight plug, 8 socket, shell size 12	CA307										
FP2000 (6n)	FPA, FPG, FPB, FPV, FPW	Cable assembly with DIN 40050 straight plug, 4 socket	CA313										
FP2000 (6m)		Cable assembly with DIN 43650 straight plug, 4 socket	CA305										
FP2000 (6a)		Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301			x	x	x	x		x		
HP	BP521			x	x			x	x	x	x		
Super TJE	AP111/ AP112			x	x			x	x	x	x		
TJE	AP121	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301	x	x			x	x	x	x		
Z	AP131/ AP132			x	x			x	x	x	x		

## Test & Measurement Sensors

7J	7K	7L	7M	7N	7O	7P	7Q	7R	7S	7T	7U	7V	7W	7Y	7Z	7AA	7AB
(2K, 2N or 2Y & 3D)	(DIN)	(1600)	(1800)	(1700)	(WRC)	(6443)	(1254E)	(1369)	(DS)	(2U/ Sense Leads)	(2U & 8A/ Sense Leads)	(2U & 3D/ Sense Leads)	(2U & 53E, 53T/Sense Leads)	(WRC/ Sense Leads)	(6443/ Sense Leads)	(1254E/ Sense Leads)	(1369/ Sense Leads)
Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input for option 2K and 2Y or 9 to 28 Vdc input for intrinsic Safety option 2N with internal remote buffered shunt calibration.	Amplified or non-amplified sensor with mV/V, Voltage or mA output with DIN style termination (option 6M or 6N).	Non-amplified sensor with mV/V output (option 2U) for 1600 Series models	Non-amplified sensor with mV/V output (option 2U) for 1800 Series models	Amplified sensor output for 1700 Series models	Non-amplified sensor with mV/V output (Lebow Products) for western regional wiring code (option 2U).	Non-amplified sensor with mV/V output (option 2U) for Model 6443.	Non-amplified sensor with mV/V output (option 2U) for 1254 Series Models	Non-amplified sensor with mV/V output (option 2U) for Model 1369	Amplified sensor with 0 to 5 vdc Analog output and either RS-232 Digital Output (option 2Z) or RS-485 Digital Output (option 2AA) for Model DS	Non-amplified sensor with mV/V output (Senselec Products) and voltage input and Sense Leads (option 2U).	Non-amplified sensor with mV/V output (Senselec Products) and voltage input with internal shunt calibration and Sense Leads (option 2U & 8A).	Non-amplified sensor with mV/V output (Senselec Products) and voltage input with internal remote buffered shunt calibration and sense leads (option 2U & 3D).	Non-amplified sensor with mV/V output (Senselec Products) & voltage input with internal signature calibration mod. (option 53E) or internal TEDS module (option 53T) and sense leads.	Non-amplified sensor with mV/V output (Lebow Products) and western regional wiring code and sense leads (option 2U).	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 6443.	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for 1254 Series models	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 1369
	X																
										X							
										X							
										X	X		X				
										X	X						
										X	X						
									X								
	X																
X	X									X		X					
										X	X		X				
										X	X		X				
										X	X		X				

# Cables and Mating Connectors

## DIFFERENTIAL PRESSURE SENSORS

Wiring Options for Cable/Online Configurator →		7A	7B	7C	7D	7E	7F	7G	7H	7I		
SENSOR OPTIONS →		(2A or 2B)	(2C 2J or 2T)	(2D, 2E, 2F or 2G)	(2E & 3D 2F & 3D)	(2K, 2N, 2P, 2Y)	(2U)	(2U & 8A)	(2U & 3D)	(2U & 53E, 53T)		
Sensor Reference Information		Cable assembly base order code	Amplified sensor with 4 wire, ±5 Vdc output and ±15 Vdc or 26 Vdc to 32 Vdc input (option 2A or 2B) with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 11 to 28 Vdc input (option 2C) or 3 wire, 10 Vdc output and 15 Vdc to 28 Vdc input (option 2T) or 3 wire, 4 to 20 mA output and 22 to 32 Vdc input (2J) all with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2D & 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F or 2G) for Model FP	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F) and internal remote buffered shunt calibration for Model FP	Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input (for option 2K, 2P, 2Y) and 9 to 28 Vdc input for intrinsic Safety (option 2N).	Non-amplified sensor with mV/V output (Sensotec Prod.) & voltage input (option 2U).	Non-amplified sensor with mV/V output and voltage input with internal shunt calibration (option 2U & 8A).	Non-amplified with mV/V output (Sensotec Prod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal Signature calibration module (option 53E) or internal TEDS Module (option 53T).	
Model	Order code											Base order code description for Online Configurator
A-5 Low	AD112	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301	x	x			x	x	x	x	
A-5 Mid	AD123			x	x			x	x	x		x
A-5 High	BD142			x	x			x	x	x		x
HL-Z	BD511			x	x			x	x	x		x
HL-A-5	BD512			x	x			x	x	x		x
KZ low	AD115			x	x			x	x	x		x
TJE Low	AD114			x	x			x	x	x		x
TJE low, welded	AD116			x	x			x	x	x		x
TJE Mid	BD121			x	x			x	x	x		x
Z Low	AD111			x	x			x	x	x		x
Z Mid	AD122			x	x			x	x	x		x
Z High	BD141			x	x			x	x	x		x
420 High	AD413							x				
420 Mid	AD412							x				
420 Low	AD411							x				

## Test & Measurement Sensors

7J	7K	7L	7M	7N	7O	7P	7Q	7R	7S	7T	7U	7V	7W	7Y	7Z	7AA	7AB
(2K, 2N or 2Y & 3D)	(DIN)	(1600)	(1800)	(1700)	(WRC)	(6443)	(1254E)	(1369)	(DS)	(2U/ Sense Leads)	(2U & 8A/ Sense Leads)	(2U & 3D/ Sense Leads)	(2U & 53E, 53T/Sense Leads)	(WRC/ Sense Leads)	(6443/ Sense Leads)	(1254E/ Sense Leads)	(1369/ Sense Leads)
Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input for option 2K and 2Y or 9 to 28 Vdc input for intrinsic Safety option 2N with internal remote buffered shunt calibration.	Amplified or non-amplified sensor with mV/V, Voltage or mA output with DIN style termination (option 6M or 6N).	Non-amplified sensor with mV/V output (option 2U) for 1600 Series models	Non-amplified sensor with mV/V output (option 2U) for 1800 Series models	Amplified sensor output for 1700 Series models	Non-amplified sensor with mV/V output (Lebow Products) for western regional wiring code (option 2U).	Non-amplified sensor with mV/V output (option 2U) for Model 6443.	Non-amplified sensor with mV/V output (option 2U) for 1254 Series Models	Non-amplified sensor with mV/V output (option 2U) for Model 1369	Amplified sensor with 0 to 5 vdc Analog output and either RS-232 Digital Output (option 2Z) or RS-485 Digital Output (option 2AA) for Model DS	Non-amplified sensor with mV/V output (Senselec Products) and voltage input and Sense Leads (option 2U).	Non-amplified sensor with mV/V output (Senselec Products) and voltage input with internal shunt calibration and Sense Leads (option 2U & 8A).	Non-amplified sensor with mV/V output (Senselec Products) and voltage input with internal remote buffered shunt calibration and sense leads (option 2U & 3D).	Non-amplified sensor with mV/V output (Senselec Products) & voltage input with internal signature calibration mod. (option 53E) or internal TEDS module (option 53T) and sense leads.	Non-amplified sensor with mV/V output (Lebow Products) and western regional wiring code and sense leads (option 2U).	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 6443.	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for 1254 Series models	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 1369
										X	X		X				
										X	X		X				
										X	X		X				
										X	X		X				
										X	X		X				
										X	X		X				
										X	X		X				
										X	X		X				
										X	X		X				

# Cables and Mating Connectors

## LOAD CELLS

Wiring Options for Cable/Online Configurator →			7A	7B	7C	7D	7E	7F	7G	7H	7I	
SENSOR OPTIONS →			(2A or 2B)	(2C 2J or 2T)	(2D, 2E, 2F or 2G)	(2E & 3D 2F & 3D)	(2K, 2N, 2P, 2Y)	(2U)	(2U & 8A)	(2U & 3D)	(2U & 53E, 53T)	
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor with 4 wire, ±5 Vdc output and ±15 Vdc or 26 Vdc to 32 Vdc input (option 2A or 2B) with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 11 to 28 Vdc input (option 2C) or 3 wire, 10 Vdc output and 15 Vdc to 28 Vdc input (option 2T) or 3 wire, 4 to 20 mA output and 22 to 32 Vdc input (2U) all with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2D & 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F or 2G) for Model FP	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F) and internal remote buffered shunt calibration for Model FP	Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input (for option 2K, 2P, 2Y) and 9 to 28 Vdc input for intrinsic Safety (option 2N).	Non-amplified sensor with mV/V output (Sensotec Prod.) & voltage input (option 2U).	Non-amplified sensor with mV/V output and voltage input with internal shunt calibration (option 2U & 8A).	Non-amplified with mV/V output (Sensotec Prod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) and voltage input with internal Signature calibration module (option 53E) or internal TEDS Module (option 53T).
41 (7.5K to 500K lb)	AL111	Cable assembly with Amphenol MS Series, straight plug, 6 socket, shell size 14	CA303	x	x			x	x	x		x
43 (7.5K to 500K lb)	AL112			x	x			x	x	x		x
45	AL116	Cable assembly with Bendix PC Series, straight plug, 6 socket, shell size 10	CA304	x	x			x	x	x		x
47	AL117			x	x			x	x	x		x
73 (7.5K to 500K lb)	BL113	Cable assembly with Amphenol MS Series, straight plug, 6 socket, shell size 14	CA303	x	x			x	x	x		x
75 (7.5)	BL114			x	x			x	x	x		x
3108	3108	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
3124	3124	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302									
3127	3127											
3127-118	3127-118											
3130	3130											
3132	3132	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
3156	3156	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302									
3156-133	3156-133											



## Test & Measurement Sensors

7J	7K	7L	7M	7N	7O	7P	7Q	7R	7S	7T	7U	7V	7W	7Y	7Z	7AA	7AB
(2K, 2N or 2Y & 3D)	(DIN)	(1600)	(1800)	(1700)	(WRC)	(6443)	(1254E)	(1369)	(DS)	(2U/ Sense Leads)	(2U & 8A/ Sense Leads)	(2U & 3D/ Sense Leads)	(2U & 53E, 53T/Sense Leads)	(WRC/ Sense Leads)	(6443/ Sense Leads)	(1254E/ Sense Leads)	(1369/ Sense Leads)
Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input for option 2K and 2Y or 9 to 28 Vdc input for intrinsic Safety option 2N with internal remote buffered shunt calibration.	Amplified or non-amplified sensor with mV/V, Voltage or mA output with DIN style termination (option 6M or 6N).	Non-amplified sensor with mV/V output (option 2U) for 1600 Series models	Non-amplified sensor with mV/V output (option 2U) for 1800 Series models	Amplified sensor output for 1700 Series models	Non-amplified sensor with mV/V output (Lebow Products) for western regional wiring code (option 2U).	Non-amplified sensor with mV/V output (option 2U) for Model 6443.	Non-amplified sensor with mV/V output (option 2U) for 1254 Series Models	Non-amplified sensor with mV/V output (option 2U) for Model 1369	Amplified sensor with 0 to 5 vdc Analog output and either RS-232 Digital Output (option 2Z) or RS-485 Digital Output (option 2AA) for Model DS	Non-amplified sensor with mV/V output (Sense Products) and voltage input and Sense Leads (option 2U).	Non-amplified sensor with mV/V output (Sense Products) and voltage input with internal shunt calibration and Sense Leads (option 2U & 8A).	Non-amplified sensor with mV/V output (Sense Products) and voltage input with internal remote buffered shunt calibration and sense leads (option 2U & 3D).	Non-amplified sensor with mV/V output (Sense Products) & voltage input with internal signature calibration mod. (option 53E) or internal TEDS module (option 53T) and sense leads.	Non-amplified sensor with mV/V output (Lebow Products) and western regional wiring code and sense leads (option 2U).	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 6443.	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for 1254 Series models	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 1369
										X	X		X				
										X	X		X				
										X	X		X				
										X	X		X				
										X	X		X				
					X									X			
					X									X			
					X									X			
					X									X			

# Cables and Mating Connectors

## LOAD CELLS

Wiring Options for Cable/Online Configurator →		7A	7B	7C	7D	7E	7F	7G	7H	7I			
SENSOR OPTIONS →		(2A or 2B)	(2C 2J or 2T)	(2D, 2E, 2F or 2G)	(2E & 3D 2F & 3D)	(2K, 2N, 2P, 2Y)	(2U)	(2U & 8A)	(2U & 3D)	(2U & 53E, 53T)			
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor with 4 wire, ±5 Vdc output and ±15 Vdc or 26 Vdc to 32 Vdc input (option 2A or 2B) with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 11 to 28 Vdc input (option 2C) or 3 wire, 10 Vdc output and 15 Vdc to 28 Vdc input (option 2T) or 3 wire, 4 to 20 mA output and 22 to 32 Vdc input (2J) all with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2D & 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F or 2G) for Model FP	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F) and internal remote buffered shunt calibration for Model FP	Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input (for option 2K, 2P, 2Y) and 9 to 28 Vdc input for intrinsic Safety (option 2N).	Non-amplified sensor with mV/V output (Sensotec Prod.) & voltage input (option 2U).	Non-amplified sensor with mV/V output and voltage input with internal shunt calibration (option 2U & 8A).	Non-amplified with mV/V output (Sensotec Prod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) and voltage input with internal Signature calibration module (option 53E) or internal TEDS Module (option 53T).	
3161	3161	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301										
3167	3167												
3170 Series	3173												
	3174												
	3175												
3176													
3336	3336	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302										
3397	3397	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301										
3419	3419		NA										
3632	3632	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301										
3663	3663	Cable assembly with Bendix Receptacle, PT01 Series, 10 socket, shell size 12	CA310										
3719	3719	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302										
6443	6443												
3129-112	3129-112												
3129-121	3129-121												
3130-131	3130-131												

## Test & Measurement Sensors

7J	7K	7L	7M	7N	7O	7P	7Q	7R	7S	7T	7U	7V	7W	7Y	7Z	7AA	7AB
(2K, 2N or 2Y & 3D)	(DIN)	(1600)	(1800)	(1700)	(WRC)	(6443)	(1254E)	(1369)	(DS)	(2U/ Sense Leads)	(2U & 8A/ Sense Leads)	(2U & 3D/ Sense Leads)	(2U & 53E, 53T/Sense Leads)	(WRC/ Sense Leads)	(6443/ Sense Leads)	(1254E/ Sense Leads)	(1369/ Sense Leads)
Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input for option 2K and 2Y or 9 to 28 Vdc input for intrinsic Safety option 2N with internal remote buffered shunt calibration.	Amplified or non-amplified sensor with mV/V. Voltage or mA output with DIN style termination (option 6M or 6N).	Non-amplified sensor with mV/V output (option 2U) for 1600 Series models	Non-amplified sensor with mV/V output (option 2U) for 1800 Series models	Amplified sensor output for 1700 Series models	Non-amplified sensor with mV/V output (Lebow Products) for western regional wiring code (option 2U).	Non-amplified sensor with mV/V output (option 2U) for Model 6443.	Non-amplified sensor with mV/V output (option 2U) for 1254 Series Models	Non-amplified sensor with mV/V output (option 2U) for Model 1369	Amplified sensor with 0 to 5 vdc Analog output and either RS-232 Digital Output (option 2Z) or RS-485 Digital Output (option 2AA) for Model DS	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input and Sense Leads (option 2U).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal shunt calibration and Sense Leads (option 2U & 8A).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal remote buffered shunt calibration and sense leads (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) & voltage input with internal signature calibration mod. (option 53E) or internal TEDS module (option 53T) and sense leads.	Non-amplified sensor with mV/V output (Lebow Products) and western regional wiring code and sense leads (option 2U).	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 6443.	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for 1254 Series models	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 1369
					X									X			
					X									X			
					X									X			
					X									X			
					X									X			
					X									X			
					X									X			
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					X												

# Cables and Mating Connectors

## LOAD CELLS

Wiring Options for Cable/Online Configurator →			7A	7B	7C	7D	7E	7F	7G	7H	7I	
SENSOR OPTIONS →			(2A or 2B)	(2C 2J or 2T)	(2D, 2E, 2F or 2G)	(2E & 3D 2F & 3D)	(2K, 2N, 2P, 2Y)	(2U)	(2U & 8A)	(2U & 3D)	(2U & 53E, 53T)	
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor with 4 wire, ±5 Vdc output and ±15 Vdc or 26 Vdc to 32 Vdc input (option 2A or 2B) with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 11 to 28 Vdc input (option 2C) or 3 wire, 10 Vdc output and 15 Vdc to 28 Vdc input (option 2T) or 3 wire, 4 to 20 mA output and 22 to 32 Vdc input (2J) all with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2D & 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F or 2G) for Model FP	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F) and internal remote buffered shunt calibration for Model FP	Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input (for option 2K, 2P, 2Y) and 9 to 28 Vdc input for intrinsic Safety (option 2N).	Non-amplified sensor with mV/V output (Sensotec Prod.) & voltage input (option 2U).	Non-amplified sensor with mV/V output and voltage input with internal shunt calibration (option 2U & 8A).	Non-amplified with mV/V output (Sensotec Prod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) and voltage input with internal Signature calibration module (option 53E) or internal TEDS Module (option 53T).
3140-P and 3140-CS Series	3143-CS	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
	3143-P											
	3144-CS											
	3144-P											
	3145-CS											
	3145-P											
	3146-CS											
	3146-P											
3149-FR												
AL-JP	TL121	Cable assembly with Amphenol MS Series, wall mounting (bulk) plug, 5 socket, shell size 14	CA311						x			
AL-SC	TL131	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302						x			
LP	AL441	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301	x	x			x	x	x		x
MPB	BL515	Cable assembly with Amphenol MS Series, straight plug, 6 socket, shell size 14	CA303	x	x			x	x	x		x
RF	AL414-AL418			x	x			x	x	x		x
RGF	AL428/AL628	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301	x	x			x	x	x		x
RGH	AL427/AL627			x	x			x	x	x		x
RGM	AL426			x	x			x	x	x		x
RH	AL419-AL424	Cable assembly with Amphenol MS Series, straight plug, 6 socket, shell size 14	CA303	x	x			x	x	x		x
RM	AL413-AL417			x	x			x	x	x		x
UG	BL122			x	x			x	x	x		x

## Test & Measurement Sensors

7J	7K	7L	7M	7N	7O	7P	7Q	7R	7S	7T	7U	7V	7W	7Y	7Z	7AA	7AB
(2K, 2N or 2Y & 3D)	(DIN)	(1600)	(1800)	(1700)	(WRC)	(6443)	(1254E)	(1369)	(DS)	(2U/ Sense Leads)	(2U & 8A/ Sense Leads)	(2U & 3D/ Sense Leads)	(2U & 53E, 53T/Sense Leads)	(WRC/ Sense Leads)	(6443/ Sense Leads)	(1254E/ Sense Leads)	(1369/ Sense Leads)
Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input for option 2K and 2Y or 9 to 28 Vdc input for intrinsic Safety option 2N with internal remote buffered shunt calibration.	Amplified or non-amplified sensor with mV/V. Voltage or mA output with DIN style termination (option 6M or 6N).	Non-amplified sensor with mV/V output (option 2U) for 1600 Series models	Non-amplified sensor with mV/V output (option 2U) for 1800 Series models	Amplified sensor output for 1700 Series models	Non-amplified sensor with mV/V output (Lebow Products) for western regional wiring code (option 2U).	Non-amplified sensor with mV/V output (option 2U) for Model 6443.	Non-amplified sensor with mV/V output (option 2U) for 1254 Series Models	Non-amplified sensor with mV/V output (option 2U) for Model 1369	Amplified sensor with 0 to 5 vdc Analog output and either RS-232 Digital Output (option 2Z) or RS-485 Digital Output (option 2AA) for Model DS	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input and Sense Leads (option 2U).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal shunt calibration and Sense Leads (option 2U & 8A).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal remote buffered shunt calibration and sense leads (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) & voltage input with internal signature calibration mod. (option 53E) or internal TEDS module (option 53T) and sense leads.	Non-amplified sensor with mV/V output (Lebow Products) and western regional wiring code and sense leads (option 2U).	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 6443.	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for 1254 Series models	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 1369
					X									X			
					X									X			
					X									X			
					X									X			
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										X	X		X				
										X	X		X				
										X	X		X				

# Cables and Mating Connectors

## TORQUE TRANSDUCERS

Wiring Options for Cable/Online Configurator →			7A	7B	7C	7D	7E	7F	7G	7H	7I		
SENSOR OPTIONS →			(2A or 2B)	(2C 2J or 2T)	(2D, 2E, 2F or 2G)	(2E & 3D 2F & 3D)	(2K, 2N, 2P, 2Y)	(2U)	(2U & 8A)	(2U & 3D)	(2U & 53E, 53T)		
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor with 4 wire, ±5 Vdc output and ±15 Vdc or 26 Vdc to 32 Vdc input (option 2A or 2B) with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 11 to 28 Vdc input (option 2C) or 3 wire, 10 Vdc output and 15 Vdc to 28 Vdc input (option 2I) or 3 wire, 4 to 20 mA output and 22 to 32 Vdc input (2J) all with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2D & 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F or 2G) for Model FP	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F) and internal remote buffered shunt calibration for Model FP	Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input (for option 2K, 2P, 2Y) and 9 to 28 Vdc input for intrinsic Safety (option 2N).	Non-amplified sensor with mV/V output (Senselec Prod.) & voltage input (option 2U).	Non-amplified sensor with mV/V output and voltage input with internal shunt calibration (option 2U & 8A).	Non-amplified with mV/V output (Senselec Prod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplified sensor with mV/V output (Senselec Prod.) and voltage input with internal Signature calibration module (option 53E) or internal TEDS Module (option 53T).	
1102	1102	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301										
1103	1103												
1100 Series	1104	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302										
	1105												
	1106												
	1107												
1228	1228												
1239	1239												
1242	1242												
1246	1246	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301										
1248	1248	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302										
1308	1308												
1369	1369	Cable assembly with Bendix PT Series, straight plug, 8 socket, shell size 12	CA307										
1602	1602	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302										
1600 Series	1604												
	1605												
	1606												
	1607												
1615	1615												
1641	1641												
1648	1648												

## Test & Measurement Sensors

7J	7K	7L	7M	7N	7O	7P	7Q	7R	7S	7T	7U	7V	7W	7Y	7Z	7AA	7AB
(2K, 2N or 2Y & 3D)	(DIN)	(1600)	(1800)	(1700)	(WRC)	(6443)	(1254E)	(1369)	(DS)	(2U/ Sense Leads)	(2U & 8A/ Sense Leads)	(2U & 3D/ Sense Leads)	(2U & 53E, 53T/Sense Leads)	(WRC/ Sense Leads)	(6443/ Sense Leads)	(1254E/ Sense Leads)	(1369/ Sense Leads)
Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input for option 2K and 2Y or 9 to 28 Vdc input for intrinsic Safety option 2N with internal remote buffered shunt calibration.	Amplified or non-amplified sensor with mV/V, Voltage or mA output with DIN style termination (option 6M or 6N).	Non-amplified sensor with mV/V output (option 2U) for 1600 Series models	Non-amplified sensor with mV/V output (option 2U) for 1800 Series models	Amplified sensor output for 1700 Series models	Non-amplified sensor with mV/V output (Lebow Products) for western regional wiring code (option 2U).	Non-amplified sensor with mV/V output (option 2U) for Model 6443.	Non-amplified sensor with mV/V output (option 2U) for 1254 Series Models	Non-amplified sensor with mV/V output (option 2U) for Model 1369	Amplified sensor with 0 to 5 vdc Analog output and either RS-232 Digital Output (option 2Z) or RS-485 Digital Output (option 2AA) for Model DS	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input and Sense Leads (option 2U).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal shunt calibration and Sense Leads (option 2U & 8A).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal remote buffered shunt calibration and sense leads (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) & voltage input with internal signature calibration mod. (option 53E) or internal TEDS module (option 53T) and sense leads.	Non-amplified sensor with mV/V output (Lebow Products) and western regional wiring code and sense leads (option 2U).	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 6443.	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for 1254 Series models	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 1369
					x									x			
					x									x			
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# Cables and Mating Connectors

## TORQUE TRANSDUCERS

Wiring Options for Cable/Online Configurator →			7A	7B	7C	7D	7E	7F	7G	7H	7I		
SENSOR OPTIONS →			(2A or 2B)	(2C 2J or 2T)	(2D, 2E, 2F or 2G)	(2E & 3D 2F & 3D)	(2K, 2N, 2P, 2Y)	(2U)	(2U & 8A)	(2U & 3D)	(2U & 53E, 53T)		
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor with 4 wire, ±5 Vdc output and ±15 Vdc or 26 Vdc to 32 Vdc input (option 2A or 2B) with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 11 to 28 Vdc input (option 2C) or 3 wire, 10 Vdc output and 15 Vdc to 28 Vdc input (option 2T) or 3 wire, 4 to 20 mA output and 22 to 32 Vdc input (2U) all with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2D & 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F or 2G) for Model FP	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F) and internal remote buffered shunt calibration for Model FP	Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input (for option 2K, 2P, 2Y) and 9 to 28 Vdc input for intrinsic Safety (option 2N).	Non-amplified sensor with mV/V output (Sensotec Prod.) & voltage input (option 2U).	Non-amplified sensor with mV/V output and voltage input with internal shunt calibration (option 2U & 8A).	Non-amplified with mV/V output (Sensotec Prod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) and voltage input with internal Signature calibration module (option 53E) or internal TEDS Module (option 53T).	
1700 Series	1700	Cable assembly with Binder 12 socket, KV120	CA308										
	1701												
	1702												
	1703												
	1706												
1800 Series	1804	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302										
	1805												
	1806												
	1807												
2102	2102												
2105	2105	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301										
2110 Series	2110	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302										
	2111												
	2112												
	2113												
	2114												
	2115												
2120 Series	2121	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302										
	2122												
	2124												
	2125												
	2126												
2320	2320												
2320	2320												
2404	2404												
1115A	1115A	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302										
1115K	1115K												



## Test & Measurement Sensors

7J	7K	7L	7M	7N	7O	7P	7Q	7R	7S	7T	7U	7V	7W	7Y	7Z	7AA	7AB
(2K, 2N or 2Y & 3D)	(DIN)	(1600)	(1800)	(1700)	(WRC)	(6443)	(1254E)	(1369)	(DS)	(2U/ Sense Leads)	(2U & 8A/ Sense Leads)	(2U & 3D/ Sense Leads)	(2U & 53E, 53T/Sense Leads)	(WRC/ Sense Leads)	(6443/ Sense Leads)	(1254E/ Sense Leads)	(1369/ Sense Leads)
Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input for option 2K and 2Y or 9 to 28 Vdc input for intrinsic Safety option 2N with internal remote buffered shunt calibration.	Amplified or non-amplified sensor with mV/V, Voltage or mA output with DIN style termination (option 6M or 6N).	Non-amplified sensor with mV/V output (option 2U) for 1600 Series models	Non-amplified sensor with mV/V output (option 2U) for 1800 Series models	Amplified sensor output for 1700 Series models	Non-amplified sensor with mV/V output (Lebow Products) for western regional wiring code (option 2U).	Non-amplified sensor with mV/V output (option 2U) for Model 6443.	Non-amplified sensor with mV/V output (option 2U) for 1254 Series Models	Non-amplified sensor with mV/V output (option 2U) for Model 1369	Amplified sensor with 0 to 5 vdc Analog output and either RS-232 Digital Output (option 2Z) or RS-485 Digital Output (option 2AA) for Model DS	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input and Sense Leads (option 2U).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal shunt calibration and Sense Leads (option 2U & 8A).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal remote buffered shunt calibration and sense leads (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) and voltage input with internal signature calibration mod. (option 53E) or internal TEDS module (option 53T) and sense leads.	Non-amplified sensor with mV/V output (Lebow Products) and western regional wiring code and sense leads (option 2U).	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 6443.	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for 1254 Series models	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 1369
				X													
				X													
				X													
				X													
				X													
			X														
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					X										X		

# Cables and Mating Connectors

## TORQUE TRANSDUCERS

Wiring Options for Cable/Online Configurator →			7A	7B	7C	7D	7E	7F	7G	7H	7I	
SENSOR OPTIONS →			(2A or 2B)	(2C 2J or 2T)	(2D, 2E, 2F or 2G)	(2E & 3D 2F & 3D)	(2K, 2N, 2P, 2Y)	(2U)	(2U & 8A)	(2U & 3D)	(2U & 53E, 53T)	
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor with 4 wire, ±5 Vdc output and ±15 Vdc or 26 Vdc to 32 Vdc input (option 2A or 2B) with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 11 to 28 Vdc input (option 2C) or 3 wire, 10 Vdc output and 15 Vdc to 28 Vdc input (option 2T) or 3 wire, 4 to 20 mA output and 22 to 32 Vdc input (2J) all with internal shunt calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2D & 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F or 2G) for Model FP	Amplified sensor with 3 wire, 5 Vdc output and 9 to 32 Vdc input (option 2E) or 3 wire, 10 Vdc output and 9 to 32 Vdc input (option 2F) and internal remote buffered shunt calibration for Model FP	Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input (for option 2K, 2P, 2Y) and 9 to 28 Vdc input for intrinsic Safety (option 2N).	Non-amplified sensor with mV/V output (Sensotec Prod.) & voltage input (option 2U).	Non-amplified sensor with mV/V output and voltage input with internal shunt calibration (option 2U & 8A).	Non-amplified with mV/V output (Sensotec Prod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) and voltage input with internal Signature calibration module (option 53E) or internal TEDS Module (option 53T).
1254 Series	1254	Cable assembly with Bendix PT Series, straight plug, 10 socket, shell size 12	CA306									
1254 Series	1254E											
1388-102	1388-102	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
1815A	1815A	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302									
1815K	1815K											
2120 Low	2120	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
6400 Series	6459	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302									
	6467											
	6468											
	6469											
	6470											
QFFH-9	BT121	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301					x	x		x	
QSFK-9	BT111	Cable assembly with Amphenol MS Series, straight plug, 6 socket, shell size 14	CA303					x	x		x	

## Test & Measurement Sensors

7J	7K	7L	7M	7N	7O	7P	7Q	7R	7S	7T	7U	7V	7W	7Y	7Z	7AA	7AB
(2K, 2N or 2Y & 3D)	(DIN)	(1600)	(1800)	(1700)	(WRC)	(6443)	(1254E)	(1369)	(DS)	(2U/ Sense Leads)	(2U & 8A/ Sense Leads)	(2U & 3D/ Sense Leads)	(2U & 53E, 53T/Sense Leads)	(WRC/ Sense Leads)	(6443/ Sense Leads)	(1254E/ Sense Leads)	(1369/ Sense Leads)
Amplified sensor with 2 wire, 4 to 20 mA output and 9 to 32 Vdc input for option 2K and 2Y or 9 to 28 Vdc input for intrinsic Safety option 2N with internal remote buffered shunt calibration.	Amplified or non-amplified sensor with mV/V, Voltage or mA output with DIN style termination (option 6M or 6N).	Non-amplified sensor with mV/V output (option 2U) for 1600 Series models	Non-amplified sensor with mV/V output (option 2U) for 1800 Series models	Amplified sensor output for 1700 Series models	Non-amplified sensor with mV/V output (Lebow Products) for western regional wiring code (option 2U).	Non-amplified sensor with mV/V output (option 2U) for Model 6443.	Non-amplified sensor with mV/V output (option 2U) for 1254 Series Models	Non-amplified sensor with mV/V output (option 2U) for Model 1369	Amplified sensor with 0 to 5 vdc Analog output and either RS-232 Digital Output (option 2Z) or RS-485 Digital Output (option 2AA) for Model DS	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input and Sense Leads (option 2U).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal shunt calibration and Sense Leads (option 2U & 8A).	Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with internal remote buffered shunt calibration and sense leads (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) & voltage input with internal signature calibration mod. (option 53E) or internal TEDS module (option 53T) and sense leads.	Non-amplified sensor with mV/V output (Lebow Products) and western regional wiring code and sense leads (option 2U).	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 6443.	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for 1254 Series models	Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 1369
							x									x	
							x									x	
					x									x			
			x														
			x														
					x												
					x												
					x												
					x												
										x	x		x				
										x	x		x				

# Cables and Mating Connectors

## PRESSURE TRANSDUCER MATING CONNECTORS

		Mating Connector Options					
		Service Class "E" Environmental		Service Class "A" General Duty (Standard)		Service Class "W" Weather/Moisture Proofing	
Model	Connector Description	Model	Mnf. Part number	Model	Mnf. Part number	Model	Mnf. Part number
Most models except 440, DS, 424, 425	Bendix straight plug, PT Series, 6 socket, shell size 10	023-0107-00 (AA118 order code)	PT06E-10-6S	023-0032-00 (AA111 order code)	PT06A-10-6S	023-0124-00	PT06W-10-6S
DS	Bendix straight plug, PT Series, 8 socket, shell size 12	023-0036-00 / PT06W-12-8S					
440 (mates to DIN 43650)	DIN straight plug, 4 socket	023-0568-02 (order code AA157) DIN43650 - use with PG11 socket for 6 mm to 10 mm cable 023-0568-03 (order code AA155) DIN43650 - use with 1/2 in NPTF conduit fitting 023-0568-01 (order code AA156) DIN43650 - use with PG9 socket for 4,5 mm to 7,0 mm cable					
FP2000	DIN straight plug, 4 socket	023-0546-00 (order code AA161) DIN40050 - use with PG7 socket for 3,5 mm to 6 mm cable					
424, 425	Amphenol straight plug, MS Series, 4 socket, shell size 14	023-0768-00 / MS3106F-14-2S					
	High temperature Amphenol MS Series, 6 socket, shell size 10	023-0528-00 (order code AA151) MS-3476L-10-6S(SR)					

### LOAD CELL MATING CONNECTORS

		Mating Connector Options					
		Service Class "E" Environmental		Service Class "A" General Duty (Standard)		Service Class "W" Weather/Moisture Proofing	
Model	Connector Description	Model	Mnf. Part number	Model	Mnf. Part number	Model	Mnf. Part number
45 47	Bendix straight plug, PC Series, 6 socket, shell size 10	–	–	023-0092-00 (AA162 order code)	PC06A-10-6S	023-LW181-014	PC06W-10-6S
41 & 43 (5 to 5K lb); 73 & 75 (50 to 2K lb); RM, RH, RF (2K to 50K lb); RGM, RGH, RGF, LP, 3132, 3397, 3108, 3140, 3170, 3632, 3161	Bendix straight plug, PT Series, 6 socket, shell size 10	023-0107-00 (AA118 order code)	PT06E-10-6S	023-0032-00 (AA111 order code)	PT06A-10-6S	023-0124-00	PT06W-10-6S
3663	Bendix receptacle, PT01 Series, 10 socket, shell size 12	023-LW180-103	PT01E-12-10S (SR)	–	–	023-LW180-017	PT01W-12-10S
41 & 43 (7.5K to 500K lb); 73 & 75 (3K to 200K lb); RF, RM, RH (75K to 200K lbs); UG, MPB	Amphenol straight plug, MS Series, 6 socket, shell size 14	023-0161-00	MS3106E-14S-6S	023-0046-00 (AA121 order code)	MS3106A-14S-6S	–	–
3124, 3336, 3719, AL-SC, 3127, 3156, 3129, 3130,	Amphenol straight plug, MS Series, 5 socket, shell size 14	023-1247-00	MS3106E-14S-5S	023-LW180-038	MS3106A-14S-5S	–	–
AL-JP	Amphenol Wall Mounting (Bulk) Plug, MS Series, 5 socket, shell size 14	023-1060-00	MS3102E-14S-5S	023-0056-00	MS3101A-14S-5S	–	–
6443	Amphenol 90 Degree Plug, MS Series, 5 socket, shell size 14	–	–	023-LW180-068	MS3108B-14S-5S	–	–
	High temperature Amphenol MS Series, 6 socket, shell size 10					023-0528-00 (AA151 order code)	MS-3476L-10-6S (SR)

# Cables and Mating Connectors

## TORQUE TRANSDUCER MATING CONNECTORS

		Mating Connector Options					
		Service Class "E" Environmental		Service Class "A" General Duty (Standard)		Service Class "W" Weather/Moisture Proofing	
Model	Connector Description	Model	Mnf. Part number	Model	Mnf. Part number	Model	Mnf. Part number
QFFH-9, 1102, 1103, 1246, 1388-102, 2105, 2120 Low, 6118	Bendix straight plug, PT Series, 6 socket, shell size 10	023-0107-00 (AA118 order code)	PT06E-10-6S	023-0032-00 (AA111 order code)	PT06A-10-6S	023-0124-00	PT06W-10-6S
1254 and 1254E Series	Bendix straight plug, P Series, 10 socket, shell size 12	023-LW181-108	PT06E-12-10S (SR)	–	–	–	–
1369	Bendix straight plug, PT Series, 8 socket, shell size 12	–	–	–	–	023-LW181-037	PT06W-12-8S
QSKF-9	Amphenol Straight Plug, MS Series, 6 socket, shell size 14	023-0161-00	MS3106E-14S-8S	023-0046-00 (AA121 order code)	MS3106A-14S-6S	–	–
1100, 1600, 1602, 1800, 2102, 2110, 2120, 1228, 1248, 1641, 1648, 2404, 2320, 1308, 1242, 1239, 1115, 1615, 1815, 6459, 6467, 6468, 6470, 6105, 6116, 6129, 1388-124	Amphenol straight plug, MS Series, 5 socket, shell size 14	023-1247-00	MS3106E-14S-5S	023-LW180-038	MS3106A-14S-5S	–	–
1700 Series	Binder 12 socket	023-LW185-027 binder					

### ACCELEROMETER MATING CONNECTORS

Order Code	Part Number	Description
AA141	023-0076-00	Microtec DP straight plug, four socket, general duty (DP-4S-1)
AA174	023-0466-00	Bendix MS Series straight plug, three socket, shell size 10 connector (MS3106F-10SL-3S)
MH002	031-0428-00	2-pin MS type for MA11, MA12, and MAV51
MH008	032-1197-00	3-pin 62 GB for MA15, MAT53, and MAV52
CA067	031-0446-00	BNC plug with strain relief
CA054	031-0487-00	BNC bulkhead socket and dust cap fitted in 90° bracket, fitted to cable

### ACCEL MATING CONNECTOR – CABLE ASSEMBLY

Order Code	Part Number	Description
AA143	060-0436-04	Cable assembly, Microtec-type connector, 15 ft of Teflon® cable for JTF
CA051	032-1399-00	Cable assembly, microdot to microdot, 15 ft of PVC cable for MAQ13, MAQ36, and MAQ41
CA338	032-1397-00	Cable assembly, microdot to microdot, 15 ft of PTFE cable for MAQ13, MAQ36, and MAQ41
CA137	032-1396-00	Cable assembly, 5 meters of twin core PTFE cable with stainless steel overbraid for MA15, MAT53, and MAV53
CA053	031-0439-01	Cable assembly, 5 meters of twin core PTFE cable with stainless steel overbraid for MA11, MA12, and MAV51



### INSTRUMENT MATING CONNECTORS

Order code	Description
AA176	Mating connector adapter, 9 pin male to 25 pin male

### TORQUE PASSIVE SPEED SENSOR PICKUP CABLE ASSEMBLY

Order Code	Description
7204-00-15	15 feet
7204-00-50	50 feet
7204-00-100	100 feet
7204-16-15	15 feet with connector for Model 7541
7204-16-50	50 feet with connector for Model 7541
7204-16-100	100 feet with connector for Model 7541

### TORQUE ZERO VELOCITY, ACTIVE SPEED PICKUP CABLE ASSEMBLY

Order Code	Description
7220-47-15	15 feet
7220-47-50	50 feet
7220-47-100	100 feet
7220-119-15	15 feet with connector for Model 7541
7220-119-50	50 feet with connector for Model 7541
7220-119-100	100 feet with connector for Model 7541



### RF CABLE ASSEMBLY

Order Code	Description
043-LW525-034-LF	RF cable assembly to TMS9000, 92000 Series, 17,37 m [57 ft] BNC-BNC
043-1529-01	RF cable assembly to TMS9000, 94000 Series, 14,6 m [47.9 ft], tri-axial

For custom lengths or configurations – contact Honeywell



### INSTRUMENT CABLE ASSEMBLIES

Order code	Description
AA154	Power cable and connector for GM family
AA168	Molded 25-pin male/female communications cable

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**Failure to comply with these instructions could result in death or serious injury.**

### **WARNING**

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- Complete installation, operation and maintenance information is provided in the instructions supplied with each product.

**Failure to comply with these instructions could result in death or serious injury.**

# Honeywell



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