Cables and Mating Connectors

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[®], 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

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 .

			ode Format
CA301XX	(, <mark>XX,X)</mark>	(, XX	
			Cable Type
	L		Wiring diagram
			condary termination
Cable Ty	ре		
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.)
Wiring Co	odes		
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 Calibrating See Detrobant for Amplification Mediation and the sense of the
/A	-		Calibration. See Datasheet for Applicable Models
			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 20 to 23 VDC input (0 bit output) (0 bit outp
7B			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
	-		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 Buffer
7D			Shunt Calibration for Model FP
75			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 Amplified Modele
7E			Applicable Models
7F			Non-amplified sensor with mV/V output (Sensotec Products) and voltage input (option 2U). See Datasheet for Applicable Models
			Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with Internal Shunt Calibration (option 2U & 8A). See Datasheet for Applicable Models
7G			
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
	-		Apprication involves Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with Internal Signature Calibration Module (option 53E) or Internal TEDS Module (option
71			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
13			
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
			Non-amplified sensor with mV/V output (option 2U) for 1600 Series Models
7L	_		
7M			Non-amplified sensor with mV/V output (option 2U) for 1800 Series Models
	-		
7N			Amplified sensor output for 1700 Series Models
			Non-amplified sensor with mV/V output (Lebow Products) for Western Regional Wiring Code (option 2U). See Datasheet for Applicable Models
70			
7P			Non-amplified sensor with mV/V output (option 2U) for Model 6443. See Datasheet for Applicable Models
			Non-amplified sensor with mV/V output (option 2U) for 1254 Series Models
7Q			Non-amplined sensor with more output (option 20) for 1234 Senes Models
70			Non-amplified sensor with mV/V output (option 2U) for Model 1369
7R			
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
			Non-amplified sensor with mV/V output (Sensotec Products) and voltage input and Sense Leads (option 2U). See Datasheet for Applicable Models
7T	_		
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
10			Applicable Models Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with Internal Remote Buffered Shunt Calibration and Sense Leads (option 2U & 3D). Se
7V			Non-anjanites sensor with invivoupus (Sensore Chouces) and voltage input with memain remote burnered shunt Canonaton and Sense Leads (option 20 d 30), see Datashee for Applicable Models
			Non-amplified sensor with mV/V output (Sensotec Products) and voltage input with Internal Signature Calibration Module (option 53E) or Internal TEDS Module (option
7W			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
. 1			
7Z			Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 6443. See Datasheet for Applicable Models
			Non-amplified sensor with mV/V output and Sense Leads (option 2U) for 1254 Series Models
7AA	-		
7AB			Non-amplified sensor with mV/V output and Sense Leads (option 2U) for Model 1369
Seconda		in at	
	ry term	mation	
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
Length in	n ft		
	15 ft		
3J	15 π		

Test & Measurement Sensors

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

PRESSURE SENSORS

Wiring	Options	for Cable/Online Configu	urator 🗲	7 A	7B	7C	7D	7E	7F	7G	7H	71
		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 Informat			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 intrin- sic 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 cali- bration (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	Cable assembly base orde	Amplifier output a input (of calibrati shunt ca	Amplified and 11 to wire, 10 input (or output a internal s buffered	Amplified and 9 to or 3 wire input (or	Amplifier and 9 to wire, 10 (option 2 shunt ca	Amplifier output al 2K,2P,2 sic Safer	Non-am	Non-amp and volt bration (Non-am Prod.) & \ buffered	Non-amp (Sensote with intel (option 5 (option 5
355	BP313	Cable assembly with			х			х				
415	AP411/ AP412	Bendix PT Series, straight plug, 6 socket, shell size 10	CA301					х				
424	BP424	Cable assembly with Amphenol MS Series, 4						х				
425	BP425	Amphenol MS Series, 4 socket, shell size 14 (MS- 3106F-14-2S)	CA309					х				
440	AP415/ AP416	Cable assembly with DIN 43650 straight plug, 4 socket	CA305					Х				
A-105	AP311								х			
A-105a	AP313- AP318				x			х				
A-205	AP312	Cable assembly with							х			
A-205a	AP314- AP316	Bendix PT Series, straight plug, 6 socket, shell size 10	CA301		Х			Х				
A-5	AP141/ AP142			х	х			х	х	×		х
AS17A	AP161	_			х				х	х		
AS19G	AP162				Х				х	x		
DS	AP611- AP614	Cable assembly with Bendix PT Series, straight plug, 8 socket, shell size 12	CA307									
FP2000 (6n)	FPA, FPG, FPB,	Cable assembly with DIN 40050 straight plug, 4 socket	CA313									
FP2000 (6m)	FPV, FPW	Cable assembly with DIN 43650 straight plug, 4 socket	CA305									
FP2000 (6a)		Cable assembly with				х	х	х	х		х	
HP	BP521	Bendix PT Series, straight plug, 6 socket, shell size	CA301	X	х			х	х	х		х
Super TJE	AP111/ AP112	10		X	x			×	х	x		х
TJE	AP121	Cable assembly with Bendix PT Series, straight		х	Х			х	х	х		Х
Z	AP131/ AP132	plug, 6 socket, shell size	CA301	х	Х			х	Х	х		Х

7J	7K	7L	7M	7N	70	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/N, 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 wir- ing 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 22) or RS-485 Digital Output (op- tion 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 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
	Х																
										х							
										X							
										х	x		х				
										х	x						
										х	х						
									х								
	х																
	Х																
×	х									х		х					
										х	х		х				
										Х	х		Х				
										х	х		Х				
										Х	Х		Х				

DIFFERENTIAL PRESSURE SENSORS

Wiring	Options	for Cable/Online Configu	urator 🗲	7 A	7B	7C	7D	7E	7F	7G	7H	71
		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 Referenc Informati		Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor with 4 wire, ±5 Vdc output and ±15 Vdc or 28 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 cali- bration (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/N output (Sensotec Products) and voltage input with internal Signature calibration module (option 53E) or internal TEDS Module (option 53T).
A-5 Low	AD112	J		х	х			х	х	х		х
A-5 Mid	AD123			x	х			х	x	x		х
A-5 High	BD142			х	х			х	х	х		х
HL-Z	BD511			х	х			х	х	х		х
HL-A-5	BD512	1		х	х			х	х	х		х
KZ low	AD115]		х	х			х	х	х		х
TJE Low	AD114]		х	х			х	х	х		Х
TJE low, welded	AD116	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size	CA301	х	х			х	х	х		х
TJE Mid	BD121	10		х	х			х	х	Х		Х
Z Low	AD111			х	х			х	х	х		х
Z Mid	AD122			х	х			х	х	х		х
Z High	BD141]		х	х			х	х	х		х
420 High	AD413]						х				
420 Mid	AD412]						х				
420 Low	AD411							х				

7J	7K	7L	7M	7N	70	7P	7Q	7R	7S	7 T	7U	7V	7W	7Y	7 Z	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/N, 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 wir- ing 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 22) or RS-485 Digital Output (op- tion 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 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
										Х	Х		Х				
										х	х		Х				
										Х	х		х				
										х	х		Х				
										Х	х		Х				
										Х	х		Х				
										Х	х		Х				
										х	Х		х				
										х	х		х				
										Х	х		Х				
										х	х		х				
										х	х		Х				

LOAD CELLS

Wirir	ng Options f	or Cable/Online Configu	irator 🗲	7A	7B	7C	7D	7E	7F	7G	7H	71
		SENSOR O	PTIONS 🗲	(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 Informatio			٥	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 md 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 intrin- sic 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 call- bration (option 2U & 8A).	Non-amplified with mV/V output (Sensotec Pod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) and voltage input with in- ternal Signature calibration module (option 53E) or internal TEDS Module (option 53T).
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor v output and ±15 V(input (option 2A o calibration or inter shunt calibration.	Amplified sensor with 3 wi and 11 to 28 Vdc input (op wire, 10 Vdc output and 13 input (option 27) or 3 wire, output and 22 to 32 Vdc in internal shunt calibration of buffered shunt calibration.	Amplified sensor v and 9 to 32 Vdc ir or 3 wire, 10 Vdc o input (option 2F or	Amplified sensor v and 9 to 32 Vdc ir wire, 10 Vdc outpi (option 2F) and ir shurt calibration f	Amplified sensor with output and 9 to 32 Vd 2K, 2P,2Y) and 9 to 28 sic Safety (option 2N)	Non-amplified ser (Sensotec Prod.) & v	Non-amplified ser and voltage input bration (option 2U	Non-amplified with m ^V Prod.) & voltage input v buffered shunt calibr.	Non-amplified ser (Sensotec Prod.) (ternal Signature C 53E) or internal TE
41 (7.5K to 500K lb)	AL111	Cable assembly with Amphenol MS Series,		х	Х			х	х	x		х
43 (7.5K to 500K lb)	AL112	straight plug, 6 socket, shell size 14	CA303	x	x			х	х	x		х
45	AL116	Cable assembly with		х	x			x	х	х		х
47	AL117	Bendix PC Series, straight plug, 6 socket, shell size 10	CA304	x	х			Х	х	Х		Х
73 (7.5K to 500K lb)	BL113	Cable assembly with Amphenol MS Series,	CA303	x	х			х	х	x		х
75 (7.5	BL114	straight plug, 6 socket, shell size 14	UA000	X	x			х	х	х		х
3108	3108	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
3124	3124	Cable assembly with										
3127 3127-118	3127 3127-118	Amphenol MS Series, straight plug, 5 socket,	CA302									
3130	3130	shell size 14				<u> </u>	<u> </u>	ļ				
3132	3132	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
3156	3156	Cable assembly with										
3156-133	3156-133	Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302									

7J	7K	7L	7M	7N	70	7P	7Q	7R	7S	7T	7U	7V	7W	7Y	7 Z	7 AA	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 wir- ing 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 22) or RS-485 Digital Output (op- tion 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 531) 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
										х	х		х				
										x	X		Х				
										x	x		х				
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LOAD CELLS

Wirir	g Options	for Cable/Online Configu	urator 🗲	7 A	7B	7C	7D	7E	7F	7G	7H	71
		SENSOR C	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 Informatio		Base order code	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 intrin- sic 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 cali- bration (option 2U & 8A).	Non-amplified with mV/V output (Sensolec Prod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplitied sensor with mV/V output (Sensotec Prod.) and voltage input with in- ternal Signature calibration module (option 53E) or internal TEDS Module (option 53T).
Model	Order code	description for Online Configurator	Cable assembly base orde	Amplified s output and input (optio calibration shunt calib	Ampli and 1 wire, ⁷ outpu outfier	Ampli and 9 or 3 w nput	Ampli and 9 wire, ⁷ (optio	Ampli outpu 2K,2P sic Sa	Von-a (Sensc	Von-a and v oratio	Von-a Prod.) Duffer	Von-a (Sens ternal 53E) o
3161	3161											
3167	3167											
3170	3173	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10 Cable assembly with										
Series	3174	straight plug, 6 socket,	CA301									
	3175	shell size 10										
	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											
6443	6443	Cable assembly with										
3129-112	3129-112	Amphenol MS Series, straight plug, 5 socket,	CA302									
3129-121	3129-121	shell size 14										
3130-131	3130-131											

7J	7K	7L	7M	7N	70	7P	7Q	7R	7S	7T	7U	7V	7W	7Y	7 Z	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 wir- ing 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 22) or RS-485 Digital Output (op- tion 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 shurt 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
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LOAD CELLS

Wiri	ng Options	for Cable/Online Configu	urator 🗲	7A	7B	7C	7D	7E	7F	7G	7H	71
			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 Informatio		_	bde	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 intrin- sic 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 call- bration (option 2U & 8A).	Non-amplified with mVV output (Sensotec Pod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplified sensor with mV/V output (Sensotec Prod.) and voltage input with in- ternal Signature calibration module (option 53E) or internal TEDS Module (option 53T).
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor with 4 wire, output and ±15 Vdc of 26 Vd input (option 2A or 2B) with i calibration or internal remote shurt calibration.	Amplified sensor with 3 win and 11 to 28 Vdc input (op wire, 10 Vdc output and 15 input (option 27) or 3 wire, output and 22 to 32 Vdc in internal shunt calibration o buffered shunt calibration.	Amplified sensor and 9 to 32 Vdc or 3 wire, 10 Vdc input (option 2F	Amplified sensor and 9 to 32 Vdc wire, 10 Vdc out (option 2F) and shunt calibratior	Amplified sensor output and 9 to 3 2K,2P,2Y) and 9 sic Safety (optio	Non-amplified se (Sensotec Prod.) 8	Non-amplified sensor wit and voltage input with int bration (option 2U & 8A).	Non-amplified w Prod.) & voltage i buffered shunt o	Non-amplified se (Sensotec Prod.) ternal Signature 53E) or internal ⁷
	3143-CS	-										
	3143-P 3144-CS	-		 	<u> </u>	<u> </u>						
3140-P	3144-P	Cable assembly with			<u> </u>			<u> </u> '				
and 3140-CS	3145-CS	Bendix PT Series, straight plug, 6 socket,	CA301								<u> </u>	
Series	3145-P	shell size 10										
	3146-CS	'										
	3146-P	-		L	<u> </u>	 				 	<u> </u>	
AL-JP	3149-FR TL121	Cable assembly with		<u> </u>	<u> </u>	├───	'	<u> </u> '		<u> </u>	┼───	
A∟-JΓ		Cable assembly with Amphenol MS Series, wall mounting (bulk) plug, 5 socket, shell size 14	CA311						×			
AL-SC	TL131	Cable assembly with Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302						×			
LP	AL441	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301	x	x			×	×	X		x
MPB	BL515	Cable assembly with		х	х			X	х	х		×
RF	AL414- AL418	Amphenol MS Series, straight plug, 6 socket, shell size 14	CA303	Х	×			x	x	x		X
RGF	AL428/ AL628	Cable assembly with		×	x			x	x	x		х
RGH	AL427/ AL627	Bendix PT Series, straight plug, 6 socket,	CA301	х	x			x	х	x		х
RGM	AL426	shell size 10		х	х			x	х	х		х
RH	AL419- AL424	Cable assembly with		x	x			x	x	x		х
RM	AL413- AL417	Amphenol MS Series, straight plug, 6 socket,	CA303	х	x			x	x	X		×
UG	BL122	shell size 14		х	Х			x	х	х		х

7J	7K	7L	7M	7N	70	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 Satety 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 wir- ing 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 22) or RS-485 Digital Output (op- tion 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
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					Х									х			
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TORQUE TRANSDUCERS

Wiri	ng Options	for Cable/Online Configu	urator 🗲	7A	7B	7C	7D	7E	7F	7G	7H	71
		SENSOR C)PTIONS 🗲	(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 Referenc Informati				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/N output and voltage input with internal shunt cali- bration (option 2U & 8A).	Non-amplified with mV/V output (Sensolec Prod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplified sensor with mV/N output (Sensotec Prod.) and voltage input with in- ternal Signature calibration module (option 53E) or internal TEDS Module (option 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 V input (option 2A or 2B) with internal sh calibration or internal remote buffered shunt calibration.	Amplified sensor with 3 w and 11 to 28 Vdc input (o) wire, 10 Vdc output and 1 input (option 27) or 3 wire output and 22 to 32 Vdc ii internal shunt calibration o buffered shunt calibration	Amplified sensor w and 9 to 32 Vdc inp or 3 wire, 10 Vdc o input (option 2F or	Amplified sensor wi and 9 to 32 Vdc inp wire, 10 Vdc output (option 2F) and int shunt calibration fo	Amplified sensor with output and 9 to 32 Vd 2K,2P,2Y) and 9 to 28 sic Safety (option 2N)	Non-amplified sens (Sensotec Prod.) & vi	Non-amplified sens and voltage input v bration (option 2U	Non-amplified with Prod.) & voltage inp buffered shunt calil	Non-amplified sens (Sensotec Prod.) ar ternal Signature ca 53E) or internal TEI
1102	1102	Cable assembly with										
1103	1103	Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
	1104											
1100	1105											
Series	1106	Cable assembly with										
	1107	Amphenol MS Series, straight plug, 5 socket,	CA302									
1228	1228	shell size 14										
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										
1308	1308	Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302									
1369	1369	Cable assembly with Bendix PT Series, straight plug, 8 socket, shell size 12	CA307									
1602	1602											
	1604	1										
1600	1605					İ		İ				
Series	1606	- Cable assembly with Amphenol MS Series,				İ		İ				
	1607	straight plug, 5 socket,	CA302			İ		İ				
1615	1615	shell size 14										
1641	1641	1										
1648	1648	1				İ	İ	İ				

7J	7K	7L	7M	7N	70	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/N, 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 wir- ing 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 22) or RS-485 Digital Output (op- tion 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
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TORQUE TRANSDUCERS

Wiri	ng Options	for Cable/Online Configu	urator 🗲	7A	7B	7C	7D	7E	7F	7G	7H	71
	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 Referenc Informati			r 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-amplitied sensor with mV/V output and voltage input with internal shunt cali- bration (option 2U & 8A).	Non-amplified with mV/V output (Sensotec Prod.) & voltage input with internal remote buffered shunt calibr. (option 2U & 3D).	Non-amplitied sensor with mV/V output (Sensotec Prod.) and voltage input with in- ternal Signature calibration module (option 53E) or internal TEDS Module (option 53T).
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor output and ±15 V input (option 2A (calibration or inte shunt calibration	Amplified se and 11 to 28 wire, 10 Vdc input (option output and 2 internal shur buffered shu	Amplified se and 9 to 32 V or 3 wire, 10 input (option	Amplified se and 9 to 32 V wire, 10 Vdc (option 2F) 6 shunt calibre	Amplified se output and 9 2K,2P,2Y) an sic Safety (o	Non-amplifie (Sensotec Pro	Non-amplifie and voltage bration (optic	Non-amplifie Prod.) & volta buffered shu	Non-amplifie (Sensotec Pr ternal Signat 53E) or interr
	1700											
170-	1701	Cable assembly with										
1700 Series	1702	Binder 12 socket,	CA308									
-	1703	KV120										
	1706											
	1804											
1800	1805	Cable assembly with										
Series	1806	Amphenol MS Series, straight plug, 5 socket,	CA302									
	1807	shell size 14										
2102	2102											
2105	2105	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
	2110											
	2111											
	2112											
2110 Series	2113											
	2114											
	2115											
	2116	Cable assembly with Amphenol MS Series,							<u> </u>		<u> </u>	
	2121	straight plug, 5 socket,	CA302			ļ		ļ	ļ			
2120	2122	shell size 14							ļ			
2120 Series	2124					ļ		ļ				
	2125	_				ļ		ļ	ļ			
	2126	4							ļ			
2320	2320	4										
2320	2320	_										
2404	2404											
1115A	1115A	Cable assembly with										
1115K	1115K	Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302									

7J	7K	7L	7M	7N	70	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/N, 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 wir- ing 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 22) or RS-485 Digital Output (op- tion 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/N 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
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TORQUE TRANSDUCERS

Wirin	g Options f	for Cable/Online Configu	urator 🗲	7A	7B	7C	7D	7E	7F	7G	7H	71
		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			code	Amplified sensor with 4 wire, ±5 Vdc output and ±15 Vdc or 28 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 cali- bration (option 2U & 8A).	Non-amplified with mV/N 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 in- ternal Signature calibration module (option 53E) or internal TEDS Module (option 53T).
Model	Order code	Base order code description for Online Configurator	Cable assembly base order code	Amplified sensor output and ±15 V input (option 2A (calibration or inte shunt calibration	Amplified sensor with 3 wi and 11 to 28 Vdc input (of wire, 10 Vdc output and 1 input (option 27) or 3 wire output and 22 to 32 Vdc in internal shurt calibration of buffered shurt calibration.	Amplified sen and 9 to 32 V or 3 wire, 10 ¹ input (option	Amplified sen and 9 to 32 V/ wire, 10 Vdc o (option 2F) ar shunt calibrat	Amplified sen output and 9 2K,2P,2Y) and sic Safety (op	Non-amplified (Sensotec Prod	Non-amplified and voltage ir bration (optio	Non-amplified Prod.) & voltag buffered shur	Non-amplified (Sensotec Pro ternal Signatu 53E) or intern
1254 Series	1254	Cable assembly with Bendix PT Series,	CA306									
1254 Series	1254E	straight plug, 10 socket, shell size 12	CASOO									
1388-102	1388-102	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
1815A	1815A	Cable assembly with										
1815K	1815K	Amphenol MS Series, straight plug, 5 socket, shell size 14	CA302									
2120 Low	2120	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301									
	6459											
6400	6467	Cable assembly with Amphenol MS Series,				ļ						
Series	6468	straight plug, 5 socket,	CA302									
	6469 6470	shell size 14										
QFFH-9	BT121	Cable assembly with Bendix PT Series, straight plug, 6 socket, shell size 10	CA301						×	X		Х
QSFK-9	BT111	Cable assembly with Amphenol MS Series, straight plug, 6 socket, shell size 14	CA303						х	Х		х

7J	7K	7L	7M	7N	70	7P	7Q	7R	7S	7 T	7U	7V	7W	7Y	7 Z	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/N, 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 wir- ing 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 22) or RS-485 Digital Output (op- tion 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
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PRESSURE TRANSDUCER MATING CONNECTORS

		Mating Connecto	or Options				1	
		Service Class "E Environmental	33	Service Class "A General Duty (St		Service Class "W" Weather/Moisture Proofing		
Model	Connector De- scription	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 / PT	06W-12-8S				·	
440 (mates to DIN 43650)	DIN straight plug, 4 socket	023-0568-03 (ord	er code AA157) DI er code AA155) DI er code AA156) DI	N43650 - use with	1/2 in NPTF condu	it fitting		
FP2000	DIN straight plug, 4 socket	023-0546-00 (ord	er code AA161) DI	N40050 - use with	PG7 socket for 3,5	mm to 6 mm cable	9	
424, 425	Amphenol straight plug, MS Series, 4 socket, shell size 14	023-0768-00 / MS	63106F-14-2S					
	High temperature Amphenol MS Series, 6 socket, shell size 10	023-0528-00 (ord	er code AA151) M	S-3476L-10-6S(SR))			

Test & Measurement Sensors

LOAD CELL MATING CONNECTORS

		Mating Connecte	or Options				
		Service Class "E Environmental	3 3	Service Class "A General Duty (S		Service Class "W Weather/Moistur	
Model	Connector De- scription	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 recepta- cle, 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)

TORQUE TRANSDUCER MATING CONNECTORS

		Mating Connecte	or Options			,	,
		Service Class "E Environmental	33	Service Class "A General Duty (S	-	Service Class "W Weather/Moistur	
Model	Connector De- scription	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 b	binder		1		1

Test & Measurement Sensors

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 con- nector, 15 ft of Teflon® cable for JTF
CA051	032-1399-00	Cable assembly, microdot to micro- dot, 15 ft of PVC cable for MAQ13, MAQ36, and MAQ41
CA338	032-1397-00	Cable assembly, microdot to micro- dot, 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

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

INSTRUMENT MATING CONNECTORS

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

Test and Measurement Sensors

Warranty. Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell's standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. The foregoing is buyer's sole remedy and is in lieu of all warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

WARNING PERSONAL INJURY

• DO NOT USE these products as safety or emergency stop devices or in any other application where failure of the product could result in personal injury.

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

WARNING MISUSE OF DOCUMENTATION

- The information presented in this datasheet is for reference only. DO NOT USE this document as product installation information.
- 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.

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