

# Cables & connector adapters

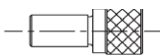

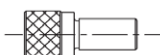

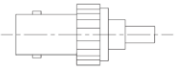
Type 1511 ... 1794A

## for accelerometers & selected pressure & force sensors

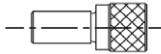
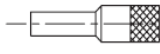
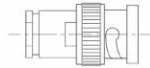
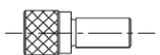
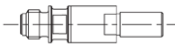
Used with high impedance, charge mode with low impedance voltage mode and capacitive sensors. Standard cable lengths are detailed in meters. User specified lengths are labeled "sp".

Note: Unspecified lower temperature limit of cable is determined by operating temperature of sensor in use.

### High impedance cables


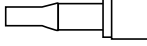

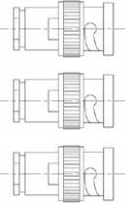


	10-32 pos.	BNC pos.
10-32 pos.	 Type 1635A Type 1635C (low noise)	 Type 1631A Type 1631C (low noise) Type 1632A... (hex. 10-32 nut) Type 1641sp (right angle)
10-32 neg.	 Type 1637C	
BNC pos.	 Type 1631A Type 1631C (low noise) Type 1632A... (hex. 10-32 nut) Type 1641A sp (right angle)	Type 1601B
BNC neg.		Type 1603B

### Voltage mode single-axis IEPE cables

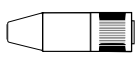
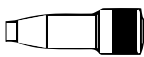
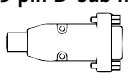

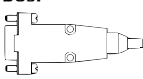
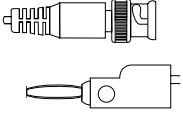
	10-32 pos.	5-44 pos.	BNC pos.
BNC pos.	 Type 1761B Type 1768A...K01 (flexible) Type 1632A... (hex. 10-32 nut)		 Type 1511sp
10-32 pos.	 Type 1762B Type 1768A...K02 (flexible)		
10-32 neg.		Type 1766AK01	

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## Voltage mode triaxial IEPE cables

	¼-28, 4 pin neg. 	M4.5, 4 pin neg. 	¼-28, 4 pin pos. 
3 x BNC po 	Type 1756C...K04 Type 1734A...K03 (flexible) Type KIG4898C...Q1 (IP68)	Type 1784B...K04	
¼-28, 4 pin neg. 	Type 1592A...		Type 1578M011sp (low outgassing) Type 1578A
Pigtail open-ended	Type 1534A...K00 (flexible) Type 1756CK00SP (low outgassing)	Type 1784M015sp (low outgassing)	
¼-28, 4 pin pos. 	Type 1578M011sp (low outgassing) Type 1578A	Type 1784M016sp (low outgassing) Type 1784M017sp (flexible) Type 1784AK02	

## Voltage mode capacitive cables

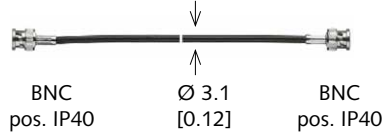
	¼-28, 4 pin neg. 	9 pin circular neg. 	9 pin D-Sub neg. 
Pigtail open-ended	Type 1592M1 Type 1534A...K00 (flexible) Type 1592M1Q1 (IP68) Type 1592M2 (low smoke)	Type 1792A...K00 (flexible) Type 1792A...KB00 (braided) Type 1792A...K10 (low smoke)	
¼-28, 4 pin pos. 	Type 1578A		
9 pin D-Sub pos. 		Type 1792A...K01 (flexible) Type 1792A...KB01 (braided)	
BNC signal output + power banana jacks 	Type 1786C (8315A...)		Type 1794A (8395A...)

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Dimensions are shown in mm [in], unless otherwise noted.

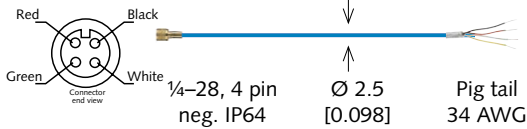
**Detailed specifications - by type No.**

**1511A...** General purpose electronics output cable and low impedance, voltage mode, non-low noise sensor extension cable



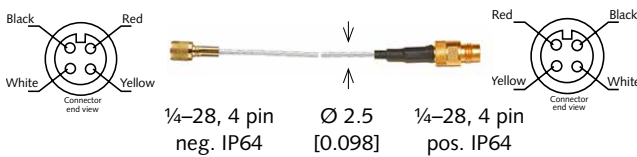
Temperature range	°C [°F]	-10 ... 70 [20 ... 160]
Capacitance	pF/m [pF/ft]	66 [20]
Cable lengths	m	1 / sp
Cable materials	polyethylene insulation & PVC jacket	
Recommended sensor types	voltage mode, IEPE sensors	

**1534A...K00** Flexible signal output cable for voltage mode sensors



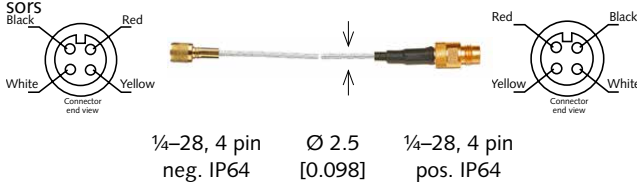
Temperature range	°C [°F]	<200 [<390]
Cable length	m	2 / 5 / 10 / sp
Cable materials	flexible silicon jacketed	
Recommended sensor types	triaxial voltage mode/IEPE sensors or single-axis capacitive	

**1578A...** Extension cable for voltage mode sensors



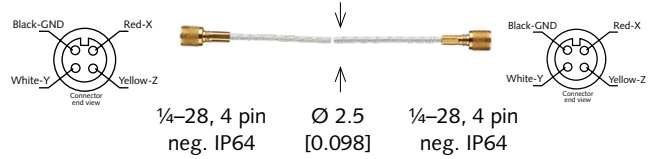
Temperature range	°C [°F]	<200 [<390]
Cable length	m	2 / sp
Cable materials	fluoropolymer jacketed	
Recommended sensor types	triaxial voltage mode/IEPE sensors or single-axis capacitive	

**1578M011sp** Low outgassing extension cable for voltage mode sensors



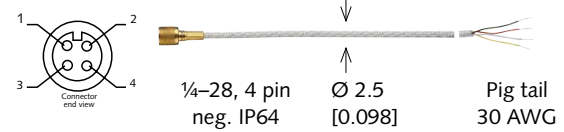
Temperature range	°C [°F]	<200 [<390]
Cable length	m	sp
Cable materials	fluoropolymer jacketed – no outgassing materials	
Recommended sensor type	triaxial voltage mode/IEPE sensors or single-axis capacitive	

**1592A** Signal output cable for voltage mode sensors



Temperature range	°C [°F]	<200 [<390]
Cable length	m	2 / 4 / sp
Cable materials	fluoropolymer jacketed	
Recommended sensor type	triaxial voltage mode/IEPE sensors	

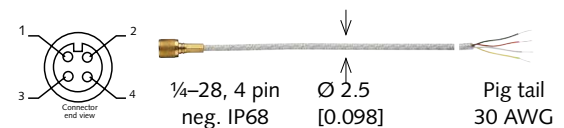
**1592M1...** Signal output cable for single-axis capacitive sensors (Type 8315A...)



Electrical Interface		Type 8315A... Function Output	
Pin number	Wire Color	AT, BT Output Types	CO, DO Output Types
1	Red	Power	Power
2	Black	Return	Return
3	Yellow	Temp.	Output -
4	White	Output +	Output +
-	Shield	Case	Case

Temperature range	°C [°F]	<100 [<212]
Cable length	m	2 / sp
Cable materials	fluoropolymer jacketed	
Recommended sensor type	single-axis capacitive sensors (Type 8315A...)	

**1592M1Q1...** Signal output cable for single-axis capacitive sensors



Electrical Interface		Type 8315A... Function Output	
Pin number	Wire Color	AT, BT Output Types	CO, DO Output Types
1	Red	Power	Power
2	Black	Return	Return
3	Yellow	Temp.	Output -
4	White	Output +	Output +
-	Shield	Case	Case

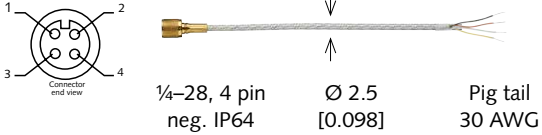
Temperature range	°C [°F]	<100 [<212]
Cable length	m	2
Cable materials	fluoropolymer jacketed	
Recommended sensor types	single-axis capacitive sensors (Type 8315A...)	

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Dimensions are shown in mm [in], unless otherwise noted.

**Detailed specifications - by type No. (continued...)**

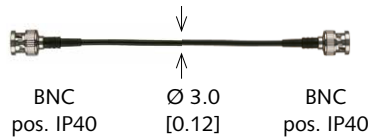
**1592M2...** Halogen-free/low smoke signal output cable for single-axis capacitive sensors (Type 8315A...)



Electrical Interface		Type 8315A... Function Output	
Pin number	Wire Color	AT, BT Output Types	C0, D0 Output Types
1	Red	Power	Power
2	Black	Return	Return
3	Yellow	Temp.	Output -
4	White	Output +	Output +
-	Shield	Case	Case

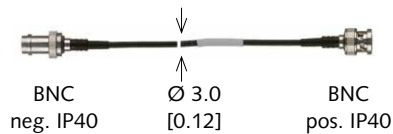
Temperature range	°C [°F]	<100 [<212]
Cable length	m	2 / sp
Cable materials	black halogen-free TPE jacket	
Recommended sensor types	single-axis capacitive sensors (Type 8315A...)	

**1601B...** Extension cable for high impedance, charge mode sensors



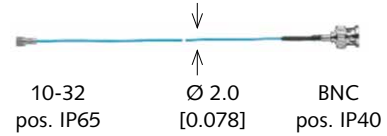
Temperature range	°C [°F]	-10 ... 70 [20 ... 160]
Capacitance	pF/m [pF/ft]	66 [20]
Cable length	m	1 / 2 / 5 / 10 / 20 / sp
Cable materials	polyethylene insulation & PVC jacket	
Recommended sensor types	charge mode piezoelectric sensors	

**1603B...** Extension cable for high impedance, charge mode sensors



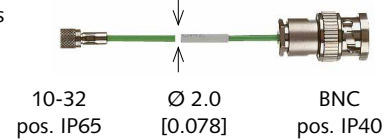
Temperature range	°C [°F]	-10 ... 70 [20 ... 160]
Capacitance	pF/m [pF/ft]	66 [20]
Cable length	m	2 / 5 / 10 / 20 / sp
Cable materials	polyethylene insulation & PVC jacket	
Recommended sensor type	charge mode piezoelectric sensors	

**1631A...** Output cable for high impedance, charge mode sensors



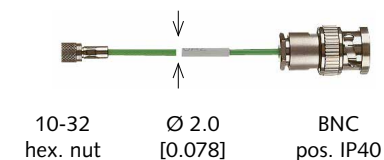
Temperature range	°C [°F]	-195 ... 200 [-320 ... 400]
Capacitance	pF/m [pF/ft]	100 [30]
Cable length	m	1 / 2 / 3 / 5 / sp
Cable materials	fluoropolymer insulation & blue fluoropolymer outer jacket	
Recommended sensor types	charge mode piezoelectric sensors	

**1631C...** Low noise output cable for high impedance, charge mode sensors



Temperature range	°C [°F]	-195 ... 200 [-320 ... 400]
Capacitance	pF/m [pF/ft]	100 [30]
Cable length	m	1 / 2 / 3 / 5 / 10 / 20 / sp
Cable materials	fluoropolymer insulation & green extruded fluoropolymer outer jacket	
Recommended sensor type	charge mode piezoelectric sensors	

**1632A...** Output cable for high impedance, charge mode sensors

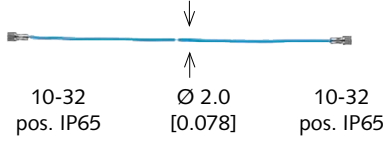


Temperature range	°C [°F]	-195 ... 200 [-320 ... 400]
Capacitance	pF/m [pF/ft]	100 [30]
Cable length	m	3 / 7 / 10 / sp
Cable materials	fluoropolymer insulation & green extruded fluoropolymer outer jacket	
Recommended sensor types	charge mode piezoelectric sensors	

Dimensions are shown in mm [in], unless otherwise noted.

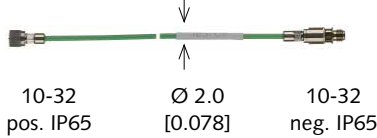
**Detailed specifications - by type No. (continued...)**

**1635A...** Extension cable for high impedance, charge mode sensors



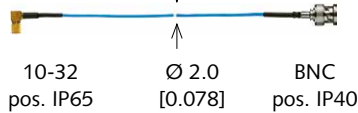
Temperature range	°C [°F]	-195 ... 200 [-320 ... 400]
Capacitance	pF/m [pF/ft]	100 [30]
Cable length	m	1 / 2 / 3 / 5 / sp
Cable materials	fluoropolymer insulation & blue fluoropolymer outer jacket	
Recommended sensor types	charge mode piezoelectric sensors	

**1637C...** Extension cable for high impedance, charge mode sensors



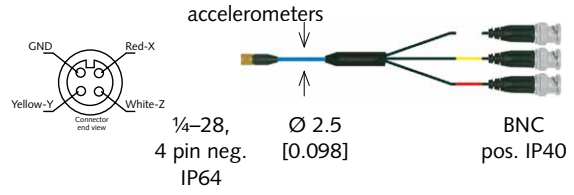
Temperature range	°C [°F]	-195 ... 200 [-320 ... 400]
Capacitance	pF/m [pF/ft]	100 [30]
Cable length	m	2 / 5 / sp
Cable materials	fluoropolymer insulation & green extruded fluoropolymer outer jacket	
Recommended sensor types	charge mode piezoelectric sensors	

**1641A sp...** Right-angle output cable for high impedance, charge mode sensors



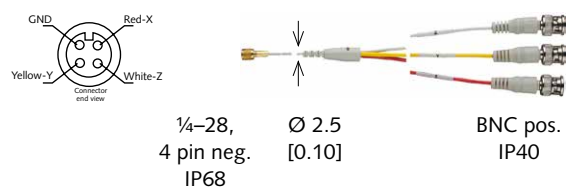
Temperature range	°C [°F]	-195 ... 200 [-320 ... 400]
Capacitance	pF/m [pF/ft]	100 [30]
Cable length	m	sp
Cable materials	fluoropolymer insulation & blue fluoropolymer outer jacket	
Recommended sensor types	charge mode piezoelectric sensors	

**1734A...K03/K04** Flexible signal output cable for triaxial voltage mode



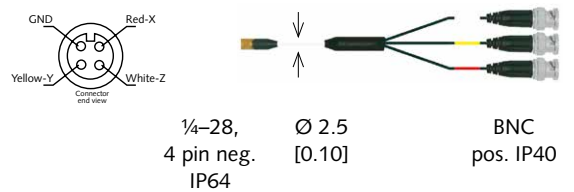
Temperature range	°C [°F]	<200 [<400] (from sensor to breakout cable)
Cable length	m	1 / 3 / 5 / 10 / sp (max. 10 m)
Cable materials	flexible silicon jacketed	
Recommended sensor types	triaxial voltage mode/IEPE sensors	

**KIG4898C...Q1** IP68 signal output cable for triaxial voltage mode accelerometers



Temperature range	°C [°F]	<200 [<392] (from sensor to breakout cable)
Cable length	m	3 / 7 / 15 / sp (max. 15 m)
Cable materials	fluoropolymer jacketed	
Recommended sensor type	triaxial voltage mode/IEPE sensors	

**1756C...K04** Signal output cable for triaxial voltage mode accelerometers



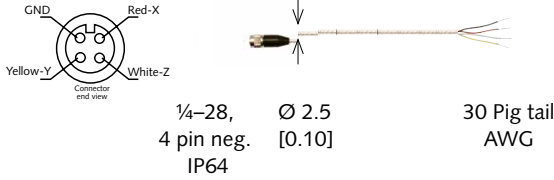
Temperature range	°C [°F]	-196 ... 200 [-320 ... 400] (from sensor to breakout cable)
Cable length	m	3 / 5 / 10 / sp (max. 20 m)
Cable materials	fluoropolymer jacketed	
Recommended sensor types	triaxial voltage mode/IEPE sensors	

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Dimensions are shown in mm [in], unless otherwise noted.

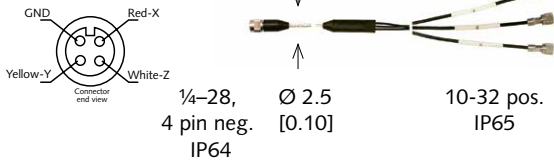
**Detailed specifications - by type No. (continued...)**

**1756CK00sp** Low outgassing signal output cable for triaxial voltage mode accelerometers



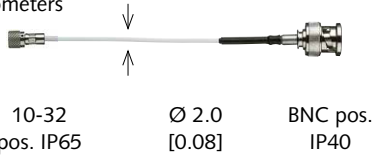
Temperature range	°C [°F]	-196 ... 200 [-320 ... 400]
Cable length	m	sp
Cable materials	fluoropolymer jacketed – no outgassing materials	
Recommended sensor types	triaxial voltage mode/IEPE sensors	

**1756C...K05** Signal output cable for triaxial voltage mode accelerometers



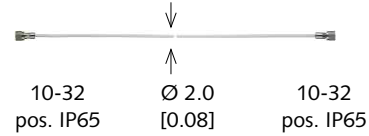
Temperature range	°C [°F]	-196 ... 200 [-320 ... 400] (from sensor to breakout cable)
Cable length	m	3 / 5 / 10 / sp (max. 20 m)
Cable materials	fluoropolymer jacketed	
Recommended sensor types	triaxial voltage mode/IEPE sensors	

**1761B...** Signal breakout cable for single-axis voltage mode accelerometers



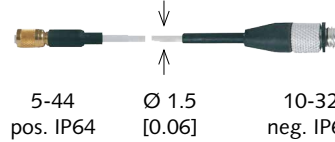
Temperature range	°C [°F]	-195 ... 200 [-320 ... 400]
Capacitance	pF/m [pF/ft]	66 [20]
Cable length	m	1 / 2 / 3 / 5 / sp
Cable materials	fluoropolymer jacketed	
Recommended sensor types	single-axis voltage mode/IEPE sensors	

**1762B...** Extension cable for single-axis voltage mode accelerometers



Temperature range	v	-195 ... 200 [-320 ... 400]
Capacitance	pF/m [pF/ft]	66 [20]
Cable length	m	1 / 2 / 3 / 5 / sp
Cable materials	fluoropolymer jacketed	
Recommended sensor type	single-axis voltage mode/IEPE sensors	

**1766A...K01** Extension cable for miniature single-axis voltage mode accelerometers



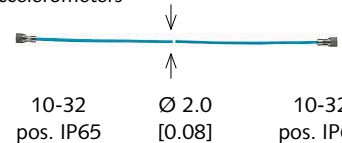
Temperature range	°C [°F]	<65 [<330]
Capacitance	pF/m [pF/ft]	66 [20]
Cable length	m	sp
Cable materials	flexible silicon jacketed	
Recommended sensor types	Type 8715A	

**1768A...K01** Flexible extension cable for single-axis voltage mode accelerometers



Temperature range	°C [°F]	-40 ... 100 [-40 ... 212]
Capacitance	pF/m [pF/ft]	66 [20]
Cable length	m	1 / 2 / 3 / 5 / sp
Cable materials	flexible PVC jacketed	
Recommended sensor types	single-axis voltage mode/IEPE sensors	

**1768A...K02** Flexible extension cable for single-axis voltage mode accelerometers



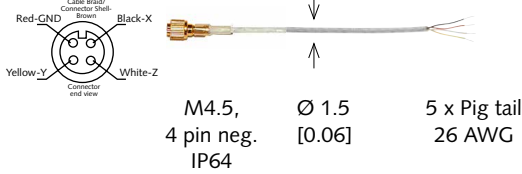
Temperature range	°C [°F]	-40 ... 100 [-40 ... 212]
Capacitance	pF/m [pF/ft]	66 [20]
Cable length	m	1 / 2 / 3 / 5 / sp
Cable materials	flexible PVC jacket	
Recommended sensor types	single-axis voltage mode/IEPE sensors	

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Dimensions are shown in mm [in], unless otherwise noted.

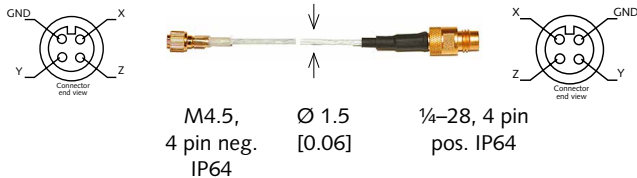
**Detailed specifications - by type No. (continued...)**

**1784M015sp** Low outgassing signal output cable for miniature 4 pin connector triaxial voltage mode accelerometers



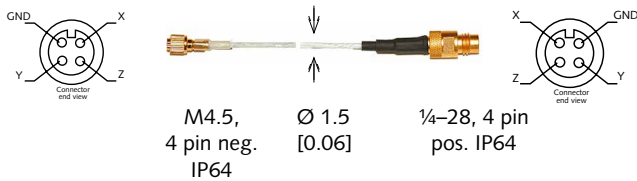
Temperature range	°C [°F]	<100 [<212]
Cable length	m	sp
Cable materials	fluoropolymer jacketed – no outgassing material	
Recommended sensor types	triaxial voltage mode/IEPE sensors with mini 4 pin connector	

**1784M016sp** Low outgassing signal output cable for miniature 4 pin connector triaxial voltage mode accelerometers



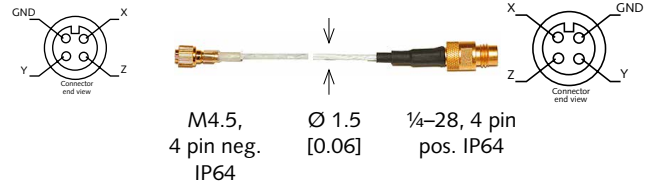
Temperature range	°C [°F]	<100 [<212]
Cable length	m	sp
Cable materials	fluoropolymer jacketed – no outgassing materials	
Recommended sensor types	triaxial voltage mode/IEPE sensors with mini 4 pin connector	

**1784M017sp** Flexible extension cable for miniature 4 pin connector triaxial voltage mode accelerometers



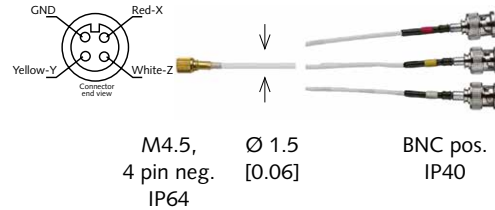
Temperature range	°C [°F]	–55 ... 125 [–65 ... 260]
Cable length	m	sp
Cable materials	polyurethane jacketed – flexible	
Recommended sensor types	triaxial voltage mode/IEPE sensors with mini 4 pin connector	

**1784A...K02** Extension cable for miniature 4 pin connector triaxial voltage mode accelerometers



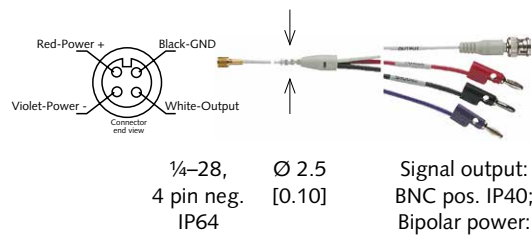
Temperature range	°C [°F]	<100 [<212]
Cable length	m	0.5 / sp
Cable materials	fluoropolymer jacketed	
Recommended sensor type	triaxial voltage mode/IEPE sensors with mini 4 pin connector	

**1784B...K03** Signal output cable for miniature 4 pin connector triaxial voltage mode accelerometers



Temperature range	°C [°F]	–55 ... 212 [–65 ... 212]
Cable length	m	1 / 3 / 5 / 10 / 15 / sp
Cable materials	fluoropolymer jacketed	
Recommended sensor types	triaxial voltage mode/IEPE sensors with mini 4 pin connector	

**1786D...** Signal output/power cable for voltage mode accelerometers

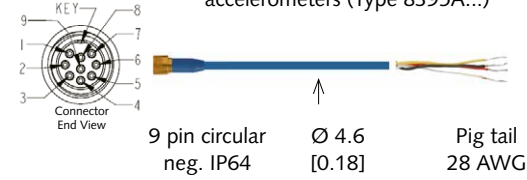


Temperature range	°C [°F]	<100 [<212]
Cable length	m	sp (max. 10 m)
Cable materials	fluoropolymer jacketed	
Recommended sensor types	servo-capacitive sensors (Type 8330B3...)	

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Dimensions are shown in mm [in], unless otherwise noted.  
**Detailed specifications - by type No. (continued...)**

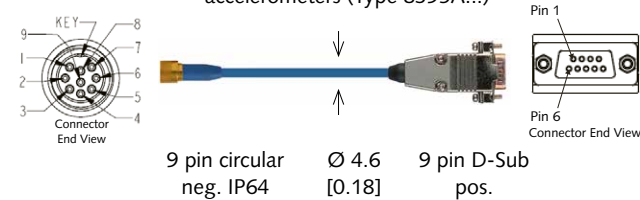
**1792A...K00 / KB00** Signal output cable for triaxial capacitive accelerometers (Type 8395A...)



Sensor Connector	Function Output of Type 8395A...		Cable Pigtail Color
	AT, BT versions	CT, DT versions	
Mini 9 pin connector			
1	Power	Power	Red
2	Ground	Ground	Black
3	X DC output	X DC output +	White
4	Y DC output	Y DC output +	Yellow
5	Z DC output	Z DC output +	Blue
6	Temp. output	Temp. output	Orange
7	N/C	X DC output -	Brown
8	N/C	Y DC output -	Green
9	N/C	Z DC output -	Violet

Cable Type	1792A...K00	1792A...KB00
Temperature range	°C [°F] <150 [<300]	<125 [<257]
Cable length	m	2 / 5 / 10 / sp
Cable materials	flexible silicon jacketed	braided cable
Recommended sensor type	triaxial capacitive sensors (Type 8395A...)	

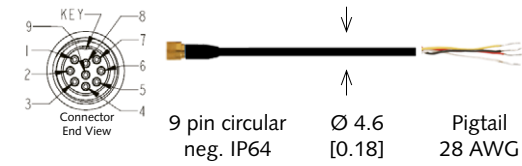
**1792A...K01 / KB01** Signal output cable for triaxial capacitive accelerometers (Type 8395A...)



Sensor Connector	Function Output of Type 8395A...		Output Connector
	AT, BT versions	CT, DT versions	
Mini 9 pin connector			9 pin D-Sub
1	Power	Power	1
2	Ground	Ground	2
3	X DC output	X DC output +	3
4	Y DC output	Y DC output +	4
5	Z DC output	Z DC output +	5
6	Temp. output	Temp. output	9
7	N/C	X DC output -	6
8	N/C	Y DC output -	7
9	N/C	Z DC output -	8

Cable Type	Type 1792A...K01	1792A...KB01
Temperature range	°C [°F] <150 [<300]	<125 [<257]
Cable length	m	2 / 5 / 10 / sp
Cable materials	flexible silicon jacketed	braided cable
Recommended sensor types	triaxial capacitive sensors (Type 8395A...)	

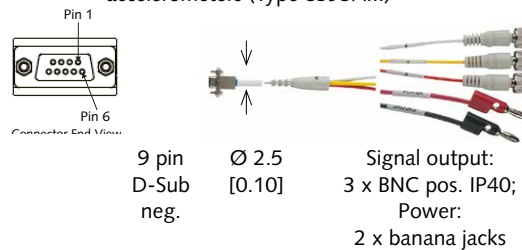
**1792A...K10** Halogen-free/low smoke signal output for triaxial capacitive accelerometers (Type 8395A...)



Sensor Connector	Function Output of Type 8395A...		Cable Pigtail Color
	AT, BT versions	CT, DT versions	
Mini 9 pin connector			
1	Power	Power	Red
2	Ground	Ground	Black
3	X DC output	X DC output +	Orange/Brown
4	Y DC output	Y DC output +	Yellow
5	Z DC output	Z DC output +	Blue
6	Temp. output	Temp. output	Orange
7	N/C	X DC output -	Brown
8	N/C	Y DC output -	Green
9	N/C	Z DC output -	Yellow/Black

Temperature range	°C [°F]	<130 [<265]
Cable length	m	2 / 5 / 10 / sp
Cable materials	halogen-free, black TPE	
Recommended sensor type	triaxial capacitive sensors (Type 8395A...)	

**1794A...** Signal output / power cable for triaxial capacitive accelerometers (Type 8395A...)



Pin n°	Banana (Power), BNC (Output)	Function
1	Red - Banana	Power
2	Black - Banana	Ground
3	Red - BNC	X DC output
4	Yellow - BNC	Y DC output
5	White - BNC	Z DC output
6	Shield	Ground

Temperature range	°C [°F]	<100 [<212]
Cable length	m	2
Cable materials	fluoropolymer jacketed	
Recommended sensor types	triaxial capacitive sensors (Type 8395A...)	

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**Connector adaptors**

Type 1701 connector adaptor  
BNC neg.  BNC neg.


Type 1702 connector adaptor  
Solder terminals  KIAG 10-32 pos.

Type 1721 connector adaptor  
KIAG 10-32 neg.  BNC pos.

Type 1723 connector adaptor  
KIAG 10-32 neg.  TNC pos.

Type 1725 connector adaptor  
KIAG 10-32 neg.  BNC neg.

Type 1729 connector adaptor  
KIAG 10-32 neg.  KIAG 10-32 neg.

Type 1743 connector adaptor  
BNC neg.  BNC neg.  
BNC pos.

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