0ACCxxx0.01-1

1 Order data

Model number	Short description
	Sensor cable
0ACC0020.01-1	Cable for accelerometer, length 2 m 2x 0.34 mm², female M12 connector on the sensor side, can be used in cable drag chains, UL listed
0ACC0050.01-1	Cable for accelerometer, length 5 m 2x 0.34 mm² female M12 connector on the sensor side, can be used in cable drag chains, UL listed
0ACC0100.01-1	Cable for accelerometer, length 10 m 2x 0.34 mm², female M12 connector on the sensor side, can be used in cable drag chains, UL listed
0ACC0150.01-1	Cable for accelerometer, length 15 m 2x 0.34 mm², female M12 connector on the sensor side, can be used in cable drag chains, UL listed
0ACC0200.01-1	Cable for accelerometer, length 20 m 2x 0.34 mm², female M12 connector on the sensor side, can be used in cable drag chains, UL listed
0ACC0500.01-1	Cable for accelerometer, length 50 m 2x 0.34 mm², female M12 connector on the sensor side, can be used in cable drag chains, UL listed
0ACC1000.01-1	Cable for accelerometer, length 100 m 2x 0.34 mm², female M12 connector on the sensor side, can be used in cable drag chains, UL listed

Table 1: 0ACC0020.01-1, 0ACC0050.01-1, 0ACC0100.01-1, 0ACC0150.01-1, 0ACC0200.01-1, 0ACC0500.01-1, 0ACC1000.01-1 - Order data

2 Technical data

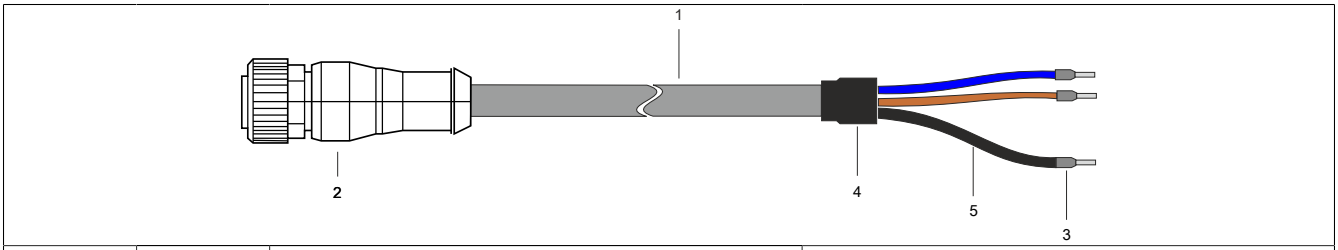
Model number	0ACC0020.01-1	0ACC0050.01-1	0ACC0100.01-1	0ACC0150.01-1	0ACC0200.01-1	0ACC0500.01-1	0ACC1000.01-1
General information							
Keying	A						
Durability	ROHS 2002/92/EC Can be used in industrial buildings and outdoors						
Short description	Cable for accelerometer, 2 m	Cable for accelerometer, 5 m	Cable for accelerometer, 10 m	Cable for accelerometer, 15 m	Cable for accelerometer, 20 m	Cable for accelerometer, 50 m	Cable for accelerometer, 100 m
Number of pins	3						
Type	Connection cables						
Cable cross section							
AWG	2x 22 AWG, 1x 24 AWG						
mm²	2x 0.34 mm², 1x 0.25 mm²						
Cable construction							
Inner jacket	Halogen-free, shielded						
Outer jacket							
Material	PUR						
Color	Black gray RAL 7021						
Labeling	None						
Lines							
Wire insulation	≥0.21 mm						
Wire colors	Brown, blue, black						
Shield	Braided wire shield made of copper wires, coverage 80%						
Stranding	3 wires stranded lengthwise						
Electrical properties							
Conductor resistance	Max. 58 Ω/km (at 20°C)						
Insulation resistance	Cable: ≥100 GΩ/km (at 20°C) Connector: ≥100 MΩ MΩ						
Operating conditions							
Pollution degree per EN 61800-5-1	3						
Degree of protection per EN 60529							
Cables	IP67						
Male M12 connector	IP67						
Ambient conditions							
Temperature							
Fixed installation	-40 to 80°C						
Flexible installation	-25 to 80°C						

Table 2: 0ACC0020.01-1, 0ACC0050.01-1, 0ACC0100.01-1, 0ACC0150.01-1, 0ACC0200.01-1, 0ACC0500.01-1, 0ACC1000.01-1 - Technical data

Model number	0ACC0020. 01-1	0ACC0050. 01-1	0ACC0100. 01-1	0ACC0150. 01-1	0ACC0200. 01-1	0ACC0500. 01-1	0ACC1000. 01-1
Mechanical properties							
Dimensions							
Length	2 m	5 m	10 m	15 m	20 m	50 m	100 m
Diameter	4.65 mm ±0.15 mm						
Bend radius							
Fixed installation	23 mm						
Flexible installation	47 mm						
After installation	47 mm						
Can be used in cable drag chains	Yes						
Drag chain data							
Acceleration	10 m/s²						
Flex cycles	10000000						
Velocity	3 m/s						
Weight	0.087 kg	0.181 kg	0.334 kg	0.487 kg	0.643 kg	2.25 kg	4.5 kg

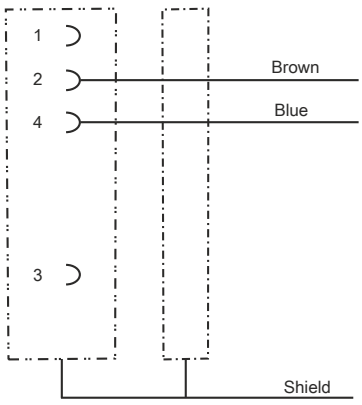
Table 2: 0ACC0020.01-1, 0ACC0050.01-1, 0ACC0100.01-1, 0ACC0150.01-1, 0ACC0200.01-1, 0ACC0500.01-1, 0ACC1000.01-1 - Technical data

3 Sensor cables with female M12 connector



Pos.	Pieces	Description	Note
1	1	Sensor cable	2x 0.34 mm² (1501702 3x 0.34)
2	1	Female M12 connector (axial)	Female M12 connector (M12x1 A-keyed)
3	2	Wire end sleeve (2x sensor cables)	3203066 AI 0.34-8 TQ
4	1	Heat shrink tubing	
5	1	Shield connection	1x 0.25 mm² black
6	1	Wire end sleeve (1x shield connection)	3200632 AI 0.25-12 BU

3.1 Cable diagram



3.2 Pinout

Female M12 connector	Pin	Name	Function	Color
Female 	1		NC	
	2	Sensor +	Sensor +	Brown
	3	---	NC	
	4	Sensor -	Sensor -	Blue
	Shield	Sen.: Shield	Shield	Black