

CABLES FOR IEPE ACCELEROMETER compatible VIGILANT Mobility case: Datasheet

Description:

The FU.ACC.CABL.02.XXX is our range of cables designed specifically for connecting IEPE accelerometers to the SDT VIGILANT system (Mobility case). These cables, assembled by SDT, feature a robust shielded design, ensuring signal integrity and noise immunity even in the most challenging industrial environments.



Specifications:

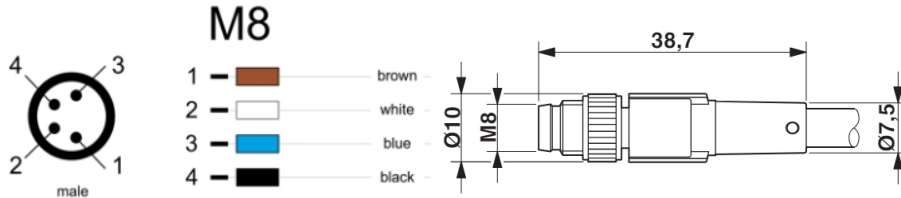
General		
Function		Sensor/actuator cable
Type		Low voltage energy cable
Compatibility		VIGILANT(Mobility)/ IEPE ACCELEROMETER
SDT reference		FU.ACC.CABL.02.XXX (MS2 mounted) XXX = length in dm
Base reference (Phoenix contact)		SAC-4P-M 8MS/ PUR SH (1521818)
Shielded		yes
Connector 1 (IEC 61076-2-104)		Straight M8 4P Male (coding type A)
Connector 2		2 Socket MIL-Style (MS2)
Number of internal wires		4
Conductor cross section	mm ²	0.25 (24 AWG)
Overvoltage category		II
Degree of pollution		3
Max. conductor resistance (at 20 °C)	Ω/km	78
Environmental		
Ambient temperature range (operation)	°C (°F)	-40 to +80 (-40 to 176) [fixed installation]
Degree of protection (in mated condition)		IP 65
Halogen-free		in accordance with DIN VDE 0472 part 815
Flame resistance		in accordance with UL 758/1581 FT2 / DIN EN 60332-2-2 (20 s)
Resistance to oil		in accordance with DIN EN 60811-2-1
Other resistance		Highly resistant to acids, alkaline solutions and solvents. Hydrolysis and microbe resistant. Partly UV-resistant (in accordance with DIN EN ISO 4892-2-A)
Environmental compliance		EU RoHS & REACH SVHC
Mechanical		
Outer sheath material		PUR
External sheath color		black-gray RAL 7021

External cable diameter	mm (in)	Ø 4.7 +/- 0.15 (0.12)
Tightening torque	N.m	0.2

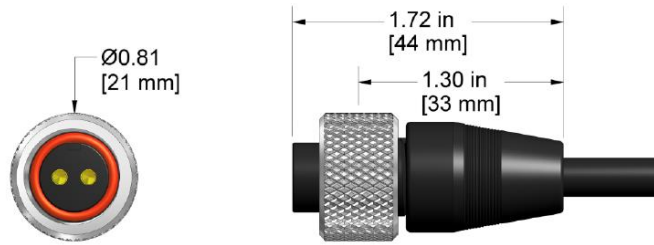
Note: The resistance to aggressive media should be individually tested for your application. Further details on Phoenix contact's website.

Schematic diagram:

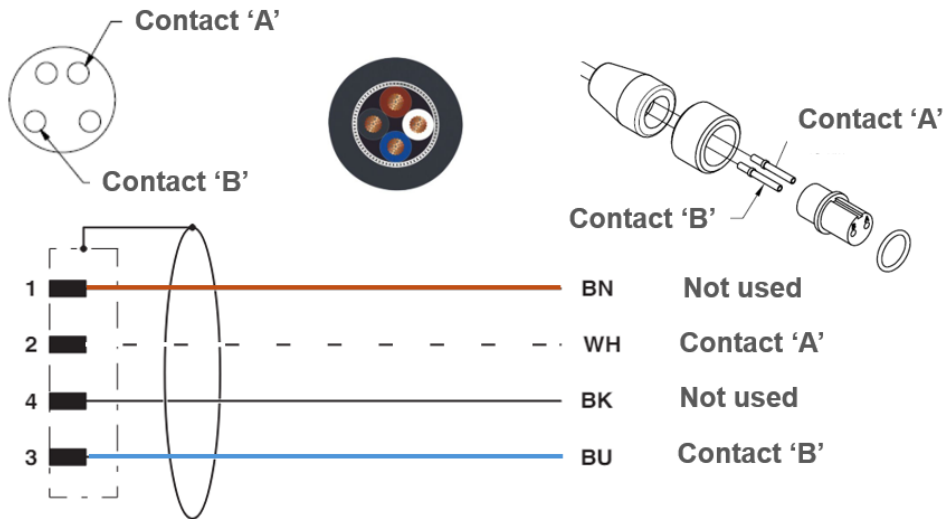
- M8 -4 P-Male (straight):



- 2 Socket MIL-Style:



- Diagram:



02			
01	CMA 29/04/2024	Original version	
Revision	Writer	Nature of modification	Approved

The information herein is believed to be accurate to the best of our knowledge.
Due to continuous research and development, specifications are subject to change without prior notice.