Commercial document	DC.CABL.SPLE7MS2.DAT.001
SPIRAL CABLES FOR ACCELEROMETER SENSORS: Datasheet	

Description:

Spiral Cables are accessories used to connect IEPE accelerometers to your compatible SDT device. Assembled by SDT, these cables present good resistance against chemicals and oil. A specific internal wiring is made to enable the sensor recognition. The connectors used are LEMO 7-pole and MS2. The extensiveness is designed for easy manipulation in the field.
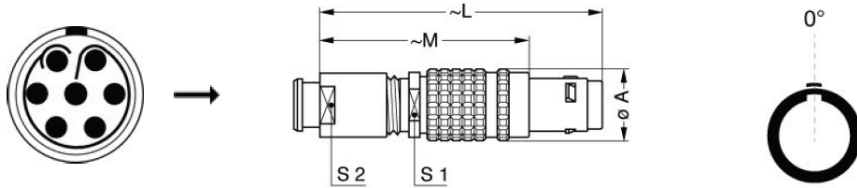
Specifications:

General		
Function		Interface IEPE accelerometer-SDT instrument
Type		Low voltage energy cable
General requirements		Based on VDE 0481-395
SDT reference		FUCABLSPLE7MS2-02
Connector 1		LEMO 7 P Male
Connector 2		2 Socket MIL-Style
Standards		REACH, RoHS-China, RoHS (see DoC)
Number of internal wires		7 (including 2 shielded)
Diameter of wires	mm^2	0.14 (26 AWG)
Conductor resistance (at 20 °C)	Ω/km	< 140
Color		Black
Environmental		
Operating temperature range	°C (°F)	-20 to +80 (-4 to 176)
Storage temperature	°C (°F)	-30 to +90 (-22 to 194)
IP rating (in mated condition)		50 [instrument side]-66 [sensor side]
Chemical resistance		acc. to IEC 50363-10-2
Mechanical		
Outer sheath		Polyurethane
Outer diameter (cable only)	mm (in)	∅ 4.20 (0.17)
Spiral diameter	mm (in)	∅ 15 (0.6)
Coiled length	m (in)	~ 0.3 (12)
Recommended max. extended cable length	m (in)	~1.4 (55)

NB: The resistance to aggressive media should be individually tested for your application. Further details on request.
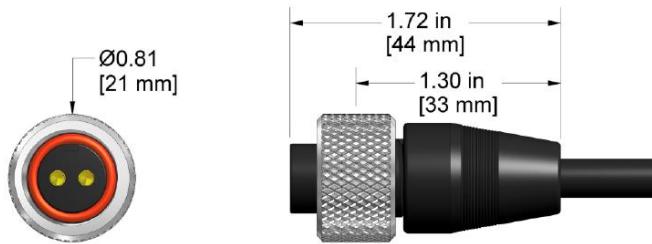
SDT International sa-nv • Bd de l'Humanité 415 • B-1190 Brussels (Belgium) • Tel : +32(0)2 332 32 25 • email : info@sdtultrasound.com
SDT North America • 7677 County Road 2 • Cobourg ON K9A 0X4 (Canada) • Phone : 1-800-667-5325 | 1-905-377-1313 • email : hearmore@sdtultrasound.com
www.sdtultrasound.com

Drawings:

- LEMO 7P M (straight):

Dimensions

	A	L	M	S1	S2
mm.	9.5	38	28	7.5	7
in.	0,37	1,50	1,10	0,30	0,28

- 2 Socket MIL-Style:
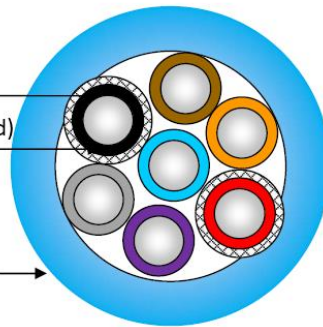
Ø0.81 [21 mm]

1.72 in [44 mm]

1.30 in [33 mm]

- CABLE:

Wire : 0.14 mm² (26 AWG)
Polyester insultation Ø =0.85 mm

Wire shielding (0.10 mm tinned copper braid)

Outer steath made of Polyurethane

Revision	Writer	Nature of modification	Approved
02			
01	CMA 16/09/2022	Original version	CGR
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.

SDT Ultrasound Solutions