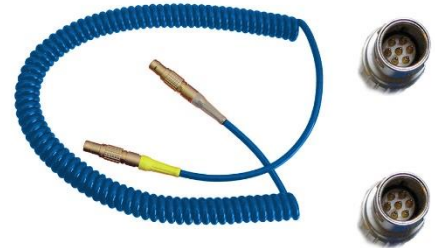


## SPIRAL CABLES FOR ULTRASOUND SENSORS: Datasheet

### Description:

Spiral Cables are accessories used to connect the SDT sensors to your compatible SDT device. Assembled by SDT, these cables present good resistance against chemicals and oil. Available in various versions, the connectors, on both sides, are LEMO 7-pole, offering two IP ratings (IP 50 and IP 65). Their extensiveness is designed for easy manipulation in the field.



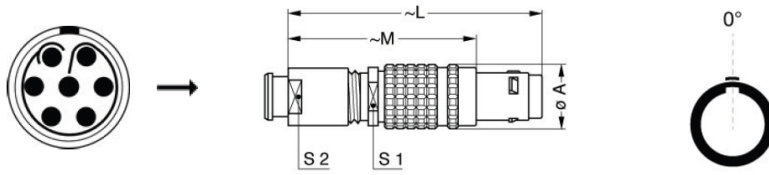
### Specifications:

General		
Function		Interface Sensors-SDT 200-270-LUBExpert-340
Type		Low voltage energy cable
General requirements		Based on VDE 0481-395
SDT reference		FUCABLSPLE7SPLE7-XX
Connector 1		LEMO 7 P Male
Connector 2		LEMO 7 P Male  LEMO 7P Female (extension cable only)
Standards		REACH, RoHS-China, RoHS (see DoC)
Number of internal wires		7 (including 2 shielded)
Diameter of wires	mm <sup>2</sup>	0.14 (26 AWG)
Conductor resistance (at 20 °C)	Ω/km	< 140
Color		BLUE RAL 5015
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 or 65 (IEC 60529)
Chemical resistance		acc. to IEC 50363-10-2
Mechanical		
Outer sheath		Polyurethane
Outer diameter (cable only)	mm (in)	Ø 4.20 (0.17)
Spiral diameter	mm (in)	Ø 15 (0.6)
Coiled length (at rest)	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.

## Drawings:

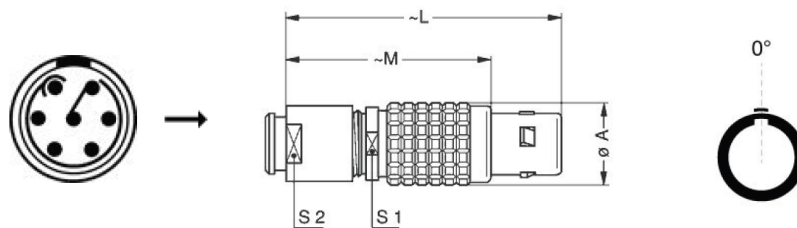
- LEMO 7P (straight IP 65):



### 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

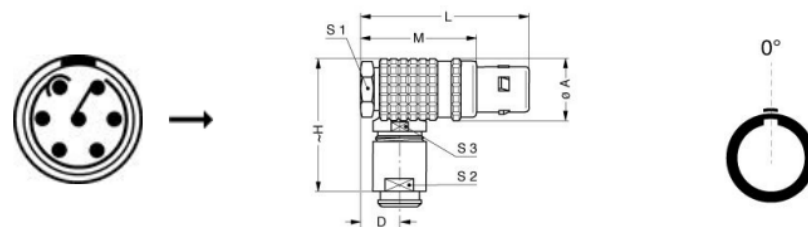
- LEMO 7P (straight IP 50)



### Dimensions

	A	L	M	S1	S2
mm.	9,5	35	25	8	7
in.	0,37	1,38	0,98	0,31	0,28

- LEMO 7P (Elbow):



### Dimensions

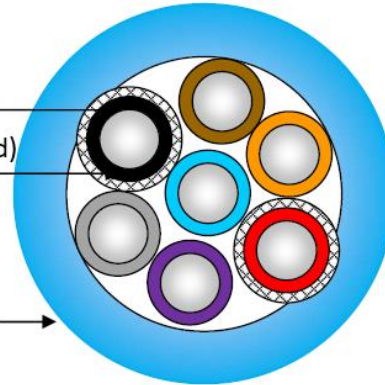
	A	D	H	L	M	S1	S2	S3
mm.	11	6,5	22,4	29,8	19,8	9	7	8
in.	0,43	0,26	0,88	1,17	0,78	0,35	0,28	0,31

- CABLE:

Wire : 0.14 mm<sup>2</sup> (26 AWG)  
 Polyester insulation Ø =0.85 mm

Wire shielding (0.10 mm tinned copper braid)

Outer sheath made of Polyurethane



### SDT references:

SDT reference	Description
FUCABLSPLE7LE7-10	CABLE SPIRAL - LEMO7P<> LEMO7P L=6/18dm (RS1, RS2, LUBEsense1, FLX2) BLACK/BLACK
FUCABLSPLE7LE7-11	CABLE SPIRAL - LEMO7P IP65 <> LEMO7P IP65 L=6/18dm (RS2 IP65, LUBEsense1 IP65) BLACK/BLACK
FUCABLSPLE7LE7-13	CABLE SPIRAL - LEMO7P<> LEMO7P 90° L=6/18dm (RS1, RS2, LUBEsense1, FLX2) BLACK/BLACK
FUCABLSPLE7LE7-14	CABLE SPIRAL - LEMO7PM IP65<>LEMO7PF IP65 L=6/18dm (extension cable)

Further cable lengths on request.

02			
01	CMA 14/09/2022	Original version	CGR
<b>Revision</b>	<b>Writer</b>	<b>Nature of modification</b>	<b>Approved</b>

*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.*