

K642 Cable Datasheet

SC, L1B 8p, open, TR

Signal cable between CSM measurement module and sensor for measurement signal, open cable end; programmable TEDS chip integrated

Description

Signal cables are especially manufactured for CSM. They use a robust line and are characterized by a high interference resistance and a good signal quality. The cable is flexible and chemical resistant, including fuel and oil.

Temperature

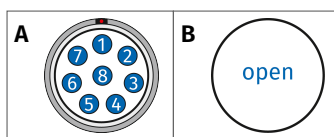
The specified temperature range of the main cable excluding connectors is -40 °C to 150 °C. The specified temperature range for connectors may vary depending on the type (e.g. LEMO B connector: -55 °C to 250 °C; D-Sub: -55 °C to 105 °C; Banana: -40 °C to 80 °C; LEMO Redel: -50 °C to 150 °C).

Bending Radius

5 × Diameter

Connectors

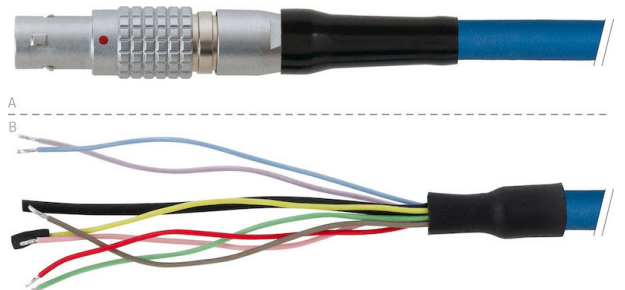
A LEMO 1B 8-pole Code: G male
 B open



Frontal view connector

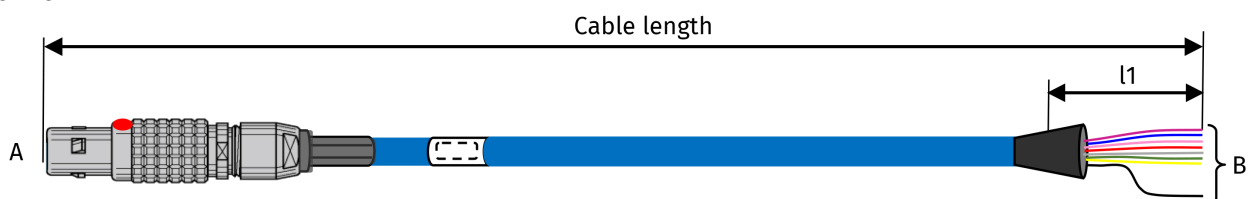
Variants

Item No.	Cable Name	Length
ART1420112	K642-0120	1.2 m
	l1: 0.05 m	
ART1420113	K642-0500	5 m
	l1: 0.05 m	
ART1420115	K642-1000	10 m
	l1: 0.05 m	



Picture similar to actual product

Overview



Pinning

Con. A Pin	ADMM HS Signal	STGMM Signal	ADMM ECAT Signal	Cable Wire Color
1	VIN-	VIN-	VIN-	purple
2	VIN+	VIN+	VIN+	blue
3	VOUT_GND	VOUT-	VOUT0	pink
4	VOUT+	VOUT+	VOUT+	red
5	-	VSENS-	VOUT-	grey
6	-	VSENS+	-	green
7	Channel shield	Channel shield	-	black (Drain wire)
8	Data *)	Data *)	-	yellow
Housing	Cable shield	Cable shield	Cable shield	-

*) Only for measurement modules with TEDS support



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