



K980

SC, R2P 8p, open, TR

Connection cable between an HV STG measurement module and a full or half bridge with strain gauges



Description

The K980 connection cable is used to connect a full or half bridge with strain gauges to an HV STG measurement module. A programmable TEDS chip is integrated in the plug. In order to suppress interferences, each pair of wires is shielded.

Each cable is subject to an isolation test according to EN 61010-1:2010 before delivery.

Technical data

Diameter	7.4 mm
Strip lengths	
Outer sheath	122 mm
Wire jacket	22 mm
Open cable end	2 mm (tinned)
Operating temperature range	-40 °C to +125 °C, pressure resistance up to +80 °C

Connectors

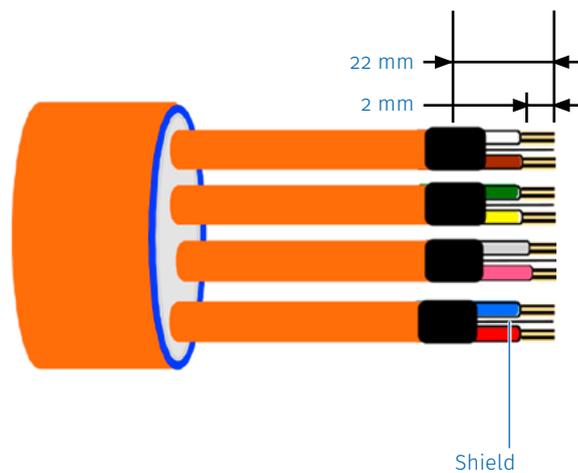
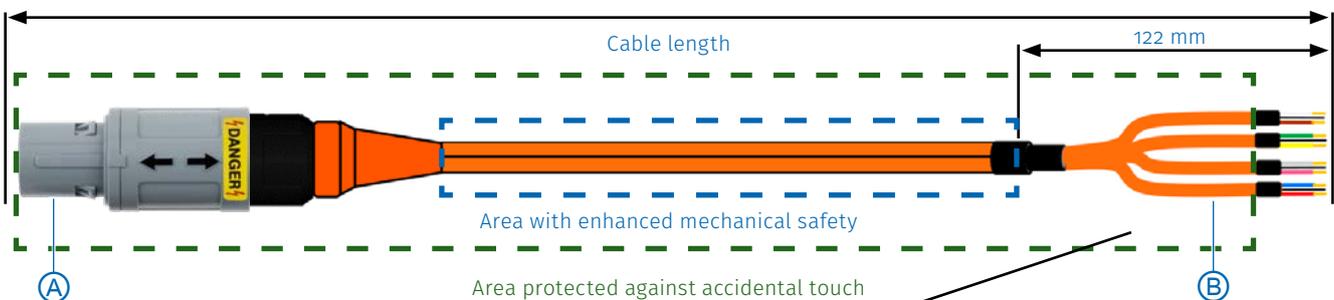
A Plug LEMO Redel 2P 8-pole code E
B 4 × open cable end, 2 wires + shield each

Variants

Article number	Cable number	Length
ART1424200	K980-0200	2 m
ART1424201	K980-0300	3 m

NOTE!	
	<p>Since cables are often exposed to chafing on bodywork parts, this cable disposes over a multi-stage safety concept.</p> <ul style="list-style-type: none"> ▶ The orange outer sheath provides high mechanical and electrical safety. ▶ If the underlying blue intermediate sheath becomes visible, this indicates that the cable is no longer mechanically safe. The operational safety is put at risk upon further mechanical stress. ▶ The inner orange wire jackets still belong to the area protected against accidental touch. However, their mechanical robustness is limited.

WARNING!	
	<p>The open cable end is not protected against accidental touch. Touching the open cable end or a damaged cable sheath may result in life-threatening electric shock.</p> <p>☞ Do not touch cable end or damaged cable.</p>



Pinning

Connector A	Cable end B	
Pin	Signal	Wire Color
1	V _{IN+}	white
4	Shield	—
2	V _{IN-}	brown
3	V _{OUT+}	green
4	Shield	—
4	V _{OUT-}	yellow
5	V _{SENSE+}	grey
4	Shield	—
6	V _{SENSE-}	pink
7	TEDS Gnd	blue
4	Shield	—
8	TEDS Data	red

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