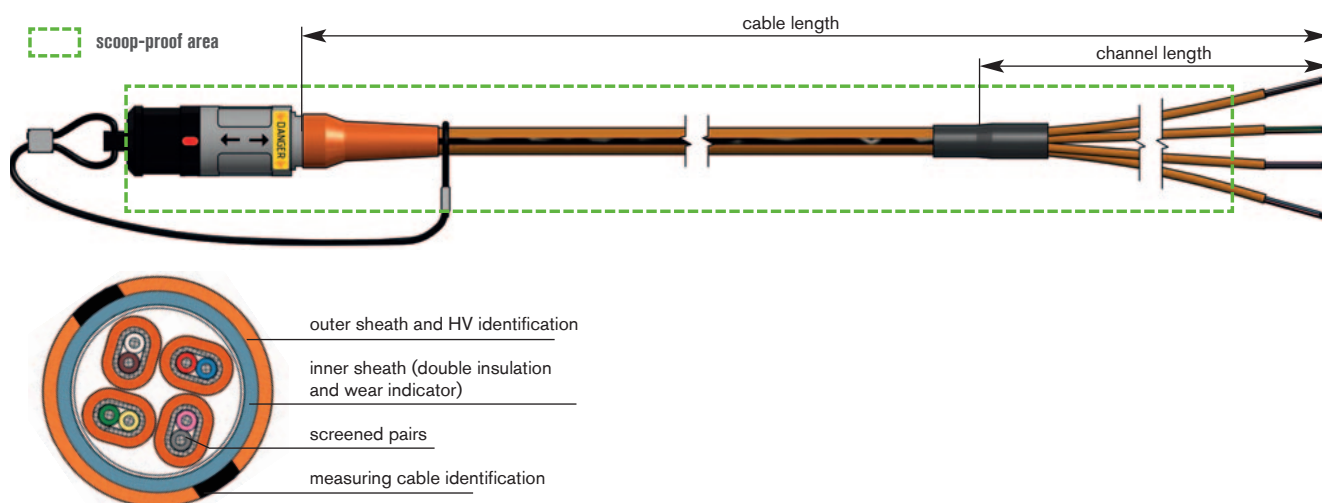


HV connecting cable for strain gauges



Application range:

Safe HV strain gauge measurement (full / half bridge)
for example with CSM HV STG4 pro BS20
measuring module

Connector:

Lemo Redel male connector with orange kink protection
sleeve and black protecting cap, 8-pin, E-coded
1000 V AC voltage-stable – IP 67 when connected

Connection end:

Outer sheath:	122 mm stripped
Pair sheath:	22 mm
Open end:	2 mm
Connection:	tinned
Screen:	small cable diameter for narrow spaces
Temperature range single channel:	-55°C / +180°C

Cable data:

Connection cable:	HV strain gauge sensor cable
Core insulation:	FEP – acc. to DIN 47100 1-8 (core-Ø 0,55 mm)
Screen:	tinned copper braiding incl. drain wire
Pair sheath:	FEP – orange acc. to RAL 2004
Inner sheath:	PUR – blue acc. to RAL 5024
Outer sheath:	PUR
Sheath colour:	orange with black vertical stripes
Stranding:	paired construction (for EMC)
Outer diameter:	approx. 7,4 mm
Dielectric strength:	1000 V AC over pair sheath
Temperature range fixed laying:	-50°C / +150°C
flexible application:	-40°C / +150°C

Tests:

► Cable test

core/core – 600 V AC – 1 min – acc. to IEC 60584-1
over pair sheath in water bath –
5000 V AC – 5 min – with reference to EN 50264-2-1

► Product test

routine test of harnessed connector
with reference to standard 61010-1 for measuring devices
as well as VDE indications in our in-house ball bath
(released by VDE). Control of contact protection
towards outside – 3000 V/1 min AC

Issue of HV test certificate with reference to batch number due to optimum traceability

Optional: Test and repair of already used sensors on request

CONFIGURATION EXAMPLES

item no.	connection cable length [mm]	single channel Length [mm]			connection type
		Length sheath	Length pair	Length core	connection
T644-061-009	2000	122	22	2	tinned
T644-061-014	3000	122	22	2	tinned

Total cable and channel lengths can be realised on customer's request.

SAB identification:

item number, batch number