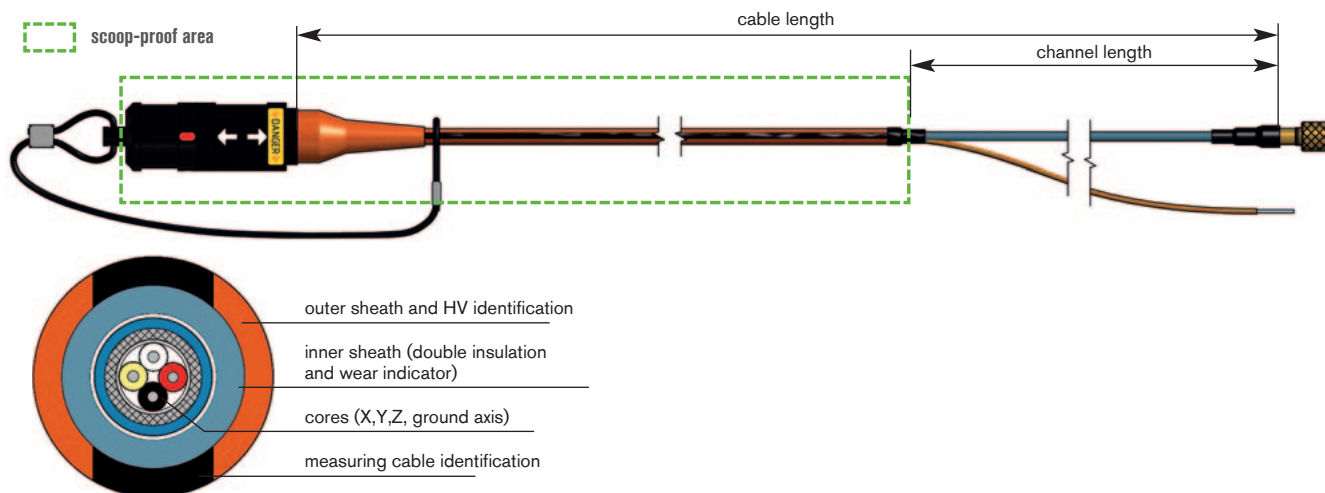


HV connecting cable for acceleration sensors (IEPE)



Application range:

Safe HV acceleration measurement for example with CSM HV IEPE3 FL 100 measuring module

Connector:

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

Sensor connection side:

Connector:	4-pin ¼-28 UNF socket for the connection of a triaxial IEPE acceleration sensor (also with 4-pin 8-36 UNF and 4-pin M4,5)
Screen:	led out in bundle and insulated with shrinkable sleeve
Temperature range bundle channel:	-55°C / +250°C

Cable data:

Connection cable:	HV IEPE sensor cable
Core insulation:	PFA – red, white, black, yellow
Bundle sheath:	PFA – blue acc. to RAL 5015
Inner sheath:	PUR – blue acc. to RAL 5024
Outer sheath:	PUR
Sheath colour:	orange with black vertical stripes
Stranding:	optimised in layers
Outer diameter:	approx. 4,3 mm
Dielectric strength:	1000 V AC over second inner sheath
Temperature range fixed laying:	-50°C / +150°C
flexible application:	-40°C / +150°C
Special characteristics:	contact protection see presentation ✓

Tests:

► Cable test

core/core – 600 V AC – 1 min – acc. to IEC 60584-1
over second inner 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

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CONFIGURATION EXAMPLES

item no.	connection cable length [mm]	single channel length [mm]		male connector
		channel 1	grounding	
T642-062-666	3000	100	200	4-Pin ¼ -28 UNF
T642-062-794	6000	100	200	4-Pin ¼ -28 UNF
T642-062-635	3000	100	200	4-Pin 8-36 UNF

SAB identification:

item number, batch number

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