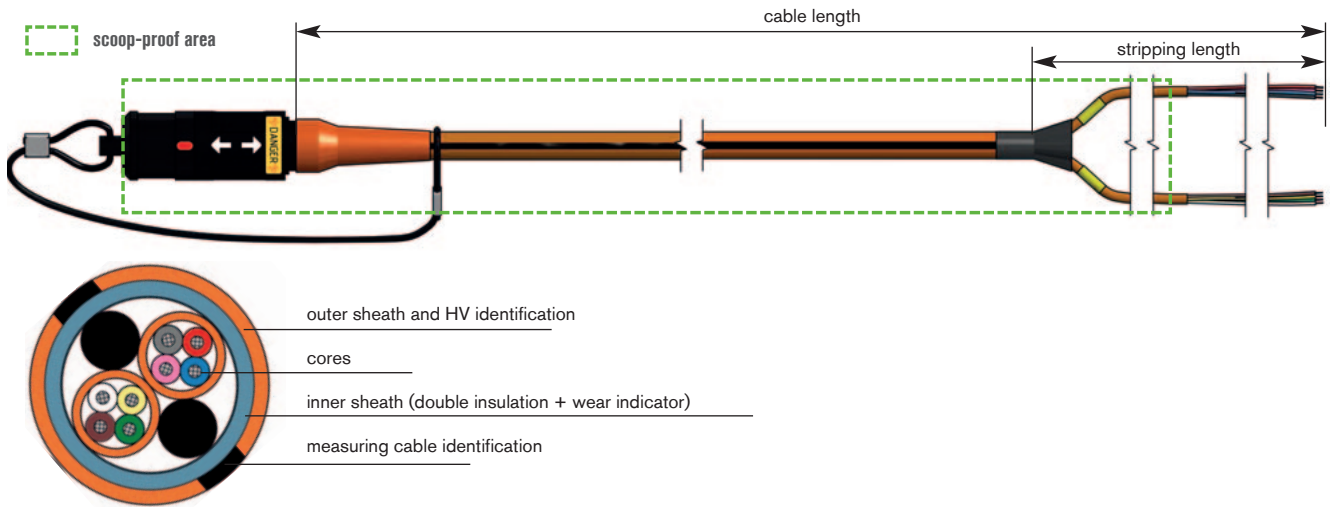


## HV analogue measuring cable

HV 2-channel analogue measuring cable for CSM measurement technology (90 V)



### Application range:

Safe HV analogue measurements with standard sensors combined with CSM measuring modules  
 HV AD2 IF20, HV AD4 IF20 & HV AD4 IF1000

### 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

### Connection end:

(stripping lengths)

|               |        |
|---------------|--------|
| Outer sheath: | 100 mm |
| Pair sheath:  | 10 mm  |
| Open end:     | 2 mm   |
| Connection:   | tinned |

### Cable data:

|                       |                                     |
|-----------------------|-------------------------------------|
| Connection cable:     | HV measuring cable                  |
| Core insulation:      | FEP – acc. to DIN 47100 1-8         |
| 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:            | optimised in layers                 |
| Outer diameter:       | approx. 7,3 mm                      |
| Dielectric strength:  | 1000 V AC over orange bundle 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 orange bundle sheath –  
 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] |      |      |
|--------------|------------------------------|----------------------------|------|------|
|              |                              | sheath                     | pair | core |
| T641-056-710 | 2000                         | 100                        | 10   | 2    |
| T641-056-711 | 3000                         | 100                        | 10   | 2    |

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

### SAB identification:

item number, batch number