

# ACHTUNG

# ACHTUNG WASSERLEITUNG

## ACHTUNG KABEL

### **DETECTABLE TAPES**

Reliable location using all conventional detection methods



#### **KELMAPLAST DETECTABLE TAPES:**

### Don't waste time searching; just find...!

Reliable location of plastic pipes and non-metal cables and utility lines is essential for the prevention of time- and cost-relevant damage during earthworks.

**KELMAPLAST** detectable tapes are suitable for all conventional detection methods (galvanic and inductive). A special tape has also been developed for very low frequency (VLF) detection.

The type of utility line and its owner are printed on the tape, which is then laminated to last more or less indefinitely. The materials used are absolutely environmentally neutral. Where tapes need to be joined end to end to form a continuous line and secured by simple connectors fixed in place with the aid of the **KELMAPLAST** crimping tool.

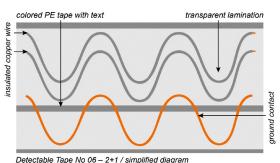
#### KELMAPLAST Detectable Tape No 06 - Cu 1 + 1/2+1 with copper wire

#### Nr. 06 Cu 1+1



Nr. 06 Cu 2+1





zerostable rape ne ee 2:17 empimea diagram

BOX	PALLET
4	50 – 100
2	50 – 80
2	30 – 50
	4

**KELMAPLAST** detectable tapes nos 06 Cu 1+1 06 Cu 2+1 are special versions for special applications, which have been developed in collaboration with the University of Applied Sciences in Hanover in accordance with DIN 54841-3.

One or, alternatively, two insulated copper tracer wires ensure active detection and connection checks along the entire line. A naked copper wire ensures reliable VLF detection. A continuous gap in the transparent tape above the naked copper wire ensures optimum detection results. Ten times greater conductivity guarantees convincing results over extremely short as well as long distances, where geographical factors reduce wave accessibility, where line directions are unfavourable or ground conditions are poor – even in the direct vicinity of metal lines and where utility lines are very low down in the ground.

Standard colours: yellow, green, blue, red; other dimensions and colours on request; the standard print colour is black; length: 250 m.

#### **Specifications**

Thickness: 150  $\mu$ m  $\pm$  20  $\mu$ m

Tensile strength (as per DIN EN ISO 527): ≥ 20 N/mm<sup>2</sup> (tape)

Length-related resistance:  $< 0.10 \Omega/m$ Temperature stability:  $-20 ^{\circ}$ C to  $+70 ^{\circ}$ C

#### **Chemical stability**

No change in colour after 24 hours of exposure to:

25% nitric acid

20% sodium carbonate solution

20% ammonium iron sulphate

#### **KELMAPLAST Detectable Tape No 06 – with steel wires**



WIDTH	BOX	PALLET
40 mm	4	50 – 125
80 mm	2	40 – 60
100 mm	2	30 – 50
150 mm	1	30 – 40
200 mm	1	25

Two stainless steel wires, each 0.5 mm in diameter and sinusoidally laminated between two PE sheets, are encased in **KELMAPLAST detectable tape no 06**. A continuous gap in the transparent amination ensures adequate contact with the ground for detection of the necessary magnetic field.

Standard colours: yellow, blue, green, red; other dimensions and colours on request; the standard print colour is black; length: 250 m.

#### **Technical features**

Thickness: 150  $\mu$ m  $\pm$  20  $\mu$ m

Tensile strength (in accordance with DIN EN ISO 527):

≥ 20 N/mm<sup>2</sup> (plastic)

Temperature stability: -20 °C to +70 °C

#### Chemical stability of the plastic tape

No change in colour after 24 hours of exposure to:

25 % nitric acid

20% sodium carbonate solution

20% ammonium iron sulphate

#### **KELMAPLAST Detectable Tape No 04 – with steel wire**



WIDTH	вох	PALLET	
40 mm	4	50 – 90	
80 mm	2	40 – 60	
100 mm	2	30 – 50	
200 mm	1	25	

**KELMAPLAST detectable tape no 04** is a PE tape with a stainless steel wire 100 mm wide and 0.1 mm thick on its underside that remains in continuous contact with the ground, thus guaranteeing perfect earthing.

Standard colours: yellow, blue, green, red; other dimensions and colours on request; the standard print colour is black; length: 250 m.

#### **Technical features**

Thickness: 200  $\mu$ m  $\pm$  20  $\mu$ m

Tensile strength (in accordance with DIN EN ISO 527):

≥ 20 N/mm<sup>2</sup> (plastic)

Temperature stability: -20 °C to +70 °C

#### Chemical stability of the plastic tape

No change in colour after 24 hours of exposure to:

25 % nitric acid

20% sodium carbonate solution

20% ammonium iron sulphate



**KELMAPLAST** also supplies the necessary accessories for connecting its tape products. Here the original crimping tool. Please see separate brochure for other accessories.



## SSERLEITUNG

### HTUNG KABEL

#### **KELMAPLAST**

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