

**ACHTUNG  
KABEL**

**ACHTUNG  
KABEL**

**ACHTUNG  
STARKSTROMKABEL**



## CABLE PROTECTION TAPES

Reliable protection from mechanical influences

**KELMAPLAST**

# KELMAPLAST Cable Protection Tape: Perfect and simple – simply perfect

Reliable, economical, simple, ecological – when there are cables and pipes to be protected from stones and gravel while trenches are being filled or reopened, there's no getting around the cable protection tapes from KELMAPLAST.



Compared with alternative systems (protective covers, tarpaulins), the ecofriendly polyethylene products from KELMAPLAST offer a number of constructive advantages. Simply to unreel and lay in the trench, the tapes save both time and money. Stones and gravel cannot penetrate the sand. No displacement can occur during compaction.

Further advantages are that the tape is thoroughly resistant to all influences in the ground, that it permits immediate identification of both the utility line and its owner, that its print remains permanently legible and that it can be walked on both while it is being laid and dug up again. At the same time, the smooth surface of the tape, which remains firmly in place, makes guiding the excavator bucket easier. As a result, the filling material is kept separate from the sand bed. Perforations allow humidity to pass through, thus preventing any undesirable build-up of heat.

The tape is available in thicknesses of 0.25 mm to 4 mm with a tolerance of  $\pm 5\%$ . The reel lengths of between 20 m and 100 m are adjusted to a maximum weight of 30 kg with a tolerance of  $\pm 0,5$  m in accordance with regulations.

## KELMAPLAST Cable Protection Tape No 08 – in accordance with DIN 54841-5



Type No 08 is certified to DIN 54841-5 and suitable for the most common areas of application. This version in thicknesses of between 1.5 mm and 4 mm also passes the mandatory dart drop impact test, which simulates the damage potentially caused by spades, pickaxes and sharp-edged filling material.

### Specifications

Elongation:  $\geq 300\%$

Temperature stability  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

### Chemical stability

No change in colour after 24 hours of exposure to:

10% nitric acid

20% sodium carbonate solution

20% ammonium iron sulphate

### WIDTH ( $\pm 2\%$ )

100 mm to 800 mm in steps of 50 mm

Other dimensions and colours on request. Standard colours: yellow and red; the standard print colour is black.

## KELMAPLAST Cable Protection Tape No 09 – perforation possible up to 1 mm thickness



Cable protection tape no 09 was developed to complement no 08 and, thanks to its perforation, allows the passage of humidity, thus preventing unwanted build-up of heat. This version is produced in material thicknesses of 0.55 mm and 1.0 mm.

### Specifications

Elongation:  $\geq 300\%$

Temperature stability:  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

### Chemical stability

No change in colour after 24 hours of exposure to:

10% nitric acid

20% sodium carbonate solution

20% ammonium iron sulphate

### WIDTH ( $\pm 2\%$ )

100 mm to 800 mm in steps of 50 mm

Other dimensions and colours on request. Standard colours: yellow and red; the standard print colour is black.

## KELMAPLAST Cable Protection Tape No 02 – Fabric Reinforced



A highlight in the range of **KELMAPLAST** tapes is this tear-resistant, fabric-reinforced cable protection tape no 02. Despite being relatively thin, this option has virtually the same technical and chemical properties as type no 09 and offers a high degree of flexibility.

This version is produced in the thicknesses 0.25 mm and 0.35 mm.

### Specifications

Fabric: 200/25 scrim (polyester)

Elasticity:  $\geq 200\%$

Tensile strength as per DIN EN ISO 527-2:  $\geq 20\text{ N/mm}^2$

Temperature stability:  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$

### Chemical stability

No change in colour after 24 hours of exposure to:

25% nitric acid

20% sodium carbonate solution

20% ammonium iron sulphate

### WIDTH

0,25 mm und 0,35 mm

Other dimensions and colours on request. Standard colours: yellow and red; the standard print colour is black.

### THICKNESS ( $\pm 2\%$ )

100 mm, 156 mm, 260 mm und 390 mm

### LENGTH ( $\pm 0,5\text{ m}$ )

250 m

**ACHTUNG  
KABEL**



**ACHTUNG  
KABEL**



**ACHTUNG  
STARKSTROMKABEL**



**KELMAPLAST**

G. Kellermann GmbH  
Kunststoff-, Folien- und Spritzgusswerk

Alt Bossel 11–17  
D-45549 Sprockhövel

Tel. +49 (0) 23 24 90 70-0  
Fax +49 (0) 23 24 90 70-90

info@kelmaplast.de  
www.kelmaplast.de