



Technical Data Sheet

KELMAPLAST No. 06 CU 1+1 detectable tape with two copper wires

description:

according to German spec. DIN 54841-3, co-extruded foil made of polyethylene, with one insulated and one non insulated (earth contacted) sinusoidal copper wires which can realize an elongation up to 10 %, laminated between two layers of polyethylene films => print is sealed with a clear and scratch-resistant film lamination and permanently legible, resistant to ageing and rot caused by heat, cold and humidity even in aggressive grounds, colourfast, free of PVC and heavy metals, the end of the rolls can be easy connected by the help of crimp connectors, standard tape colours: yellow, blue, green, red (other tape colours and measures upon request) The copper wires are prepared by *KELMAPLAST* for connecting the ends of the rolls.

| type of testing | target/actual values |
|--|---|
| material | special polyethylene |
| thickness (according to DIN 53370) | 150 µm ± 20 µm (acc. DIN point 5.2.2) |
| width | 50 mm - 100 mm ± 2 % |
| length | 250 m ± 0,5m |
| tape colours | standard: yellow, red, blue, green |
| printing ink | standard: black |
| diameter insulated copper wire | 0,9mm |
| diameter non insulated copper wire | 0,6mm |
| tensile strength – foil (acc. DIN EN ISO 527-1) test conditions: 100 mm / min ± 10 % 24 h at 23° C ± | ≥ 20 N/mm ² (foil) |
| temperature resistance | ≥ -20°C till < +70°C (acc. DIN point 6.8.1 + 6.8.2) |
| linear resistor | < 0,10 Ω / m (acc. DIN point 5.5.1) |
| chemical resistance (acc. DIN ISO 175) after 24H storing no changing in colour | 25% HNO ₃ (acc. DIN point 6.1) 20% Na ₂ CO ₃ 20% (NH ₄) ₂ S |
| print | standard prints or specified by customer |



All the above-mentioned information is given in good faith, but the figures are typical values only and should not be taken as guarantee of performance. Manufacturing tolerances for dimensional and technical characteristics apply and are available on request. The company reserves the right to improve the product and adjust the specification without notice.