

M27 TEMPERATURE-SENSITIVE COLOR TAPE



WHAT IS M27

M27 Temperature-sensitive color tape is used for discoloring warning for high temperature of cables up to 35kV and also for insulation and phase identification. It's suitable for hazard identification and cable maintenance.

FEATURE

When the working temperature of M27 is higher than 70°C, the tape color will change from its original color to transparent color, and when the temperature drops back to 70°C, the tape color will return to its original color.

APPLICATION

Used to identify hidden dangers such as excessive current and poor contact and cable maintenance.

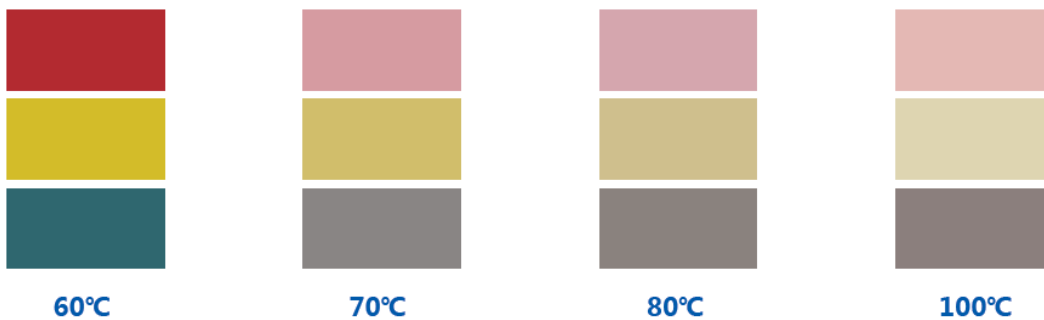
COLOR

Red, Yellow and Green

HOW TO USE

1. Remove the oil and dust on the applied subject and keep the surface clean and dry.
2. Stretch the tape to 2 times of its original length, then wrap with half lapping. And completely overlap at the beginning and end position.
3. Use PVC tape to double wrap at the end position.
4. Press the wrapped tape and ensure the layers bonding tightly.

COLOR REACTIONS TO TEMPERATURE CHANGES



TYPE

Type	Dimension(mm) Thickness x Width x Length	Pack
M27	0.4 x 25 x 3000	120rolls/ctn

TECHNICAL DATA

No.	Test	Standard	Requirement
1	Tensile Strength	GB/T 528	≥3MPa
2	Elongation at Break	GB/T 528	≥800%
3	Breakdown Strength	GB/T 1695	≥20kV/mm
4	Volume Resistivity	GB/T 1692	≥1.0x10 ¹² Ω.cm
5	Initial Color Change Temperature	UL 224	70°C
6	Metal Corrosion	UL 224	No corrosion(80°C/168h)
7	Change of Tensile Strength(after aging)	GB/T 2951.12 GB/T 528	±30% (150°C/168h)
8	Elongation at Break(after aging)		±30% (90°C/168h)
9	Self-adhesive	GA 478	No loose adhesion
10	Breaking Elongation at Low Temperature	GB/T 2951.14	≥300% (-40°C)