

# CabMark ZHCO

For industrial use



## Features

ZHCO - is the marker sleeve used for communications cable and wire identification which is designed to meet the wire identification needs of commercial and industrial customers. ZHCO is a zero halogen marker tube.

|                                |                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Material:                      | The sleeving shall be fabricated from irradiated, thermally stabilized and flame retarded modified polyolefin compound containing no halogens or cadmium in the formulation. |
| Operating temperature:         | -40°C to + 125°C                                                                                                                                                             |
| Recovered temperature totally: | >+120°C                                                                                                                                                                      |
| Flammability:                  | Self-extinguish in 60 sec. (UL 2556, Clause 9.1.5.3)                                                                                                                         |
| Specifications:                | UL224                                                                                                                                                                        |
| Standard colors:               | Yellow, white (other colors are available upon request)                                                                                                                      |
| UL File no.:                   | E479361                                                                                                                                                                      |



## Specifications

|                            | Sample status         | Values                            | Test methods                                 |
|----------------------------|-----------------------|-----------------------------------|----------------------------------------------|
| Tensile strength (MPa)     | Un-aged               | >10.3                             |                                              |
|                            | Heat-aged/After fluid | >6.9                              | MIL-DTL-23053E,                              |
| Ultimate elongation (%)    | Un-aged               | >200                              | ISO 37, 500mm/min                            |
|                            | Heat-aged/After fluid | >100                              | 168h at 158 °C, ISO188                       |
| Voltage withstand (V)      | Un-aged & Heat-aged   | 2500 V,60s, Pass                  | IRM 902 oil, ASTM D471                       |
| Dielectric strength (MV/m) | Un-aged               | >19.7                             |                                              |
|                            | Heat-aged/After fluid | >15.8                             |                                              |
| Volume resistivity (-cm)   | Un-aged               | >10 <sup>14</sup>                 | IEC 60093                                    |
| Copper corrosion           | Un-aged               | Pass                              | 23°C, RH95 ± 5%, 24h<br>and 16h at 150°C     |
| Heat shock                 | Un-aged               | No cracks, flowing<br>or dripping | Wind to the specified madrel,<br>4h at 225°C |
| Low temp. flexibility      | Un-aged               | No cracking                       | Wind to the specified madrel,<br>1h at -30°C |
| Flammability               | Un-aged               | Self-extinguish in 60s            | UL 2556, Clause 9.1.5.3                      |