

DERAY[®]-IGY

Thin wall crosslinked polyolefin

Yellow-green striped, quick shrinking heat shrink tubing with a high shrink ratio.

Features And Benefits

- Flame retardant
- Flexible
- Striped color combination designates international electrical grounding
- Resistant to common fluids and solvents
- Shrink ratio: 3:1
- Continuous operating temperature: -55°C to 135°C
- Shrink temperature: 90°C min.

Standards

- DEF STAN 59-97 Type 2b, BS G198 Part 3 Type 11B



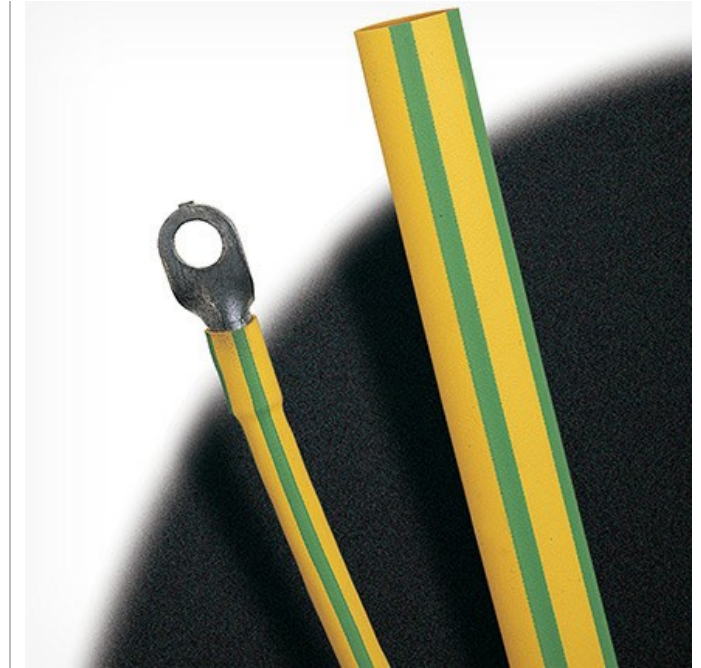
Typical Applications

- Insulating and marking of earthing conductors

Ordering

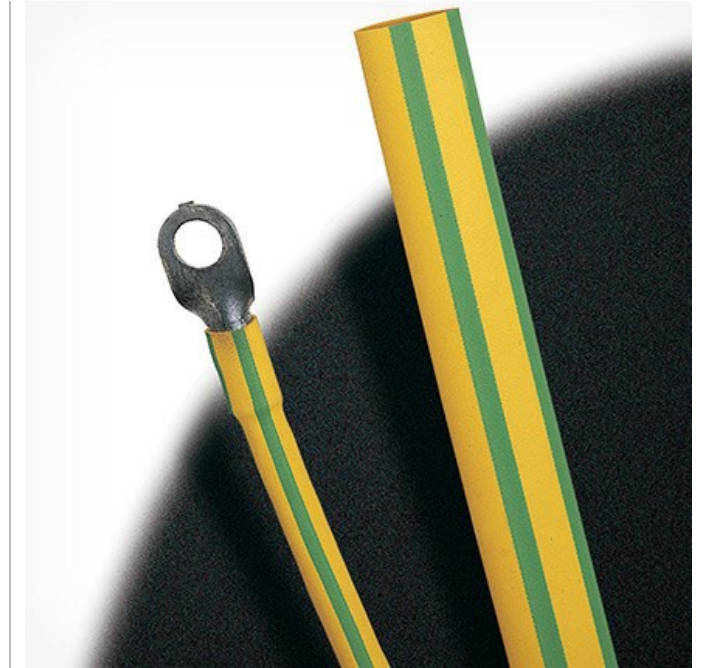
- Select a dimension which will shrink snugly over the application to be covered. If recovery is restricted the resultant wall thickness will be less than specified.
- Select options
 - Color: Green-yellow (GY)
- Please specify the product name, order number and options you require
- Example: DERAY[®]-IGY 0750, green-yellow

Please contact your Customer Service Representative for information on custom colors, sizes, lengths and material data sheet.



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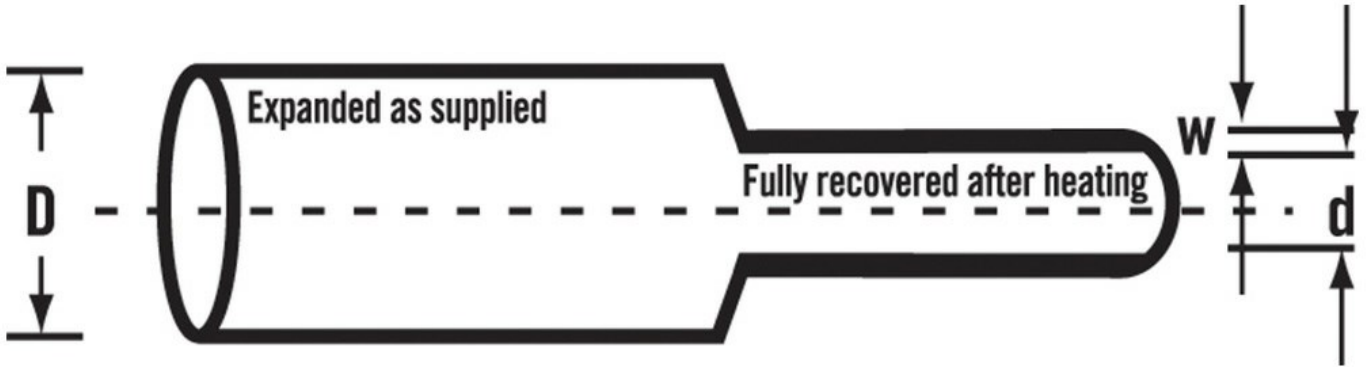


DEF
STAN
59/97

| TECHNICAL DATA | CURRENT VALUES | TEST METHODS |
|------------------------|--|-----------------|
| Material | | |
| Material | PE, modified, free of lead and cadmium | n/a |
| Surface | matt | n/a |
| Specific gravity | 1.30 g/cm ³ max. | ASTM-D 792, A-I |
| Longitudinal shrinkage | 10% max. | ASTM-D 2671 |
| Shrink ratio | 3:1 | n/a |
| Mechanical | | |
| Tensile strength | 15 MPa | IEC 60684-2 |
| Elongation | 450% | IEC 60684-2 |
| Secant modulus | 175 MPa max. | ASTM-D 882 |
| Thermal | | |

| TECHNICAL DATA | CURRENT VALUES | TEST METHODS |
|--|-------------------------|---------------------|
| Tensile strength after Thermal ageing (168 h at 158°C) | 12 MPa | UL 224 |
| Elongation after Thermal ageing (168 h at 158°C) | 300% | UL 224 |
| Tensile strength after Thermal shock (4 h at 200°C) | 14 MPa | IEC 811-1-2 |
| Elongation after Thermal shock (4 h at 200°C) | 400% | IEC 811-1-2 |
| Cold bend test | does not break at -55°C | ASTM-D 2671 Meth. C |
| Combustion behaviour | selfextinguishing | UL 224 |
| Shrink temperature | 100°C to 200°C | n/a |
| Storage temperature | 50°C max. | n/a |
| Continuous operating temperature | -55°C to 135°C | IEC 216 |
| Chemical | | |
| Corrosive action | non-corrosive | ASTM-D 2671 Meth. A |
| Compatibility with copper | non-corrosive | ASTM-D 2671 Meth. B |
| Resistance against chemicals | good | n/a |
| Water absorption | 0.20% | VDE 0473 |
| Electrical | | |
| Dielectric strength | 27 kV/mm | VDE 0303 Part 2 |
| Spec. volume resistivity | 10 ¹⁶ Ω x cm | VDE 0303 Part 3 |

Version: 01 2018/JAN/02



| ORDER NUMBER | EXPANDED | | RECOVERED | | | | DELIVERY UNITS | | |
|--------------|---------------------------|-------|---------------------------|-------|------------------------|-------|----------------|-----|----------------------|
| | Internal Diameter (Min) D | | Internal Diameter (Max) d | | Wall Thickness (Nom) W | | Spool Lengths | | Lengths 1.22m / 48in |
| | MM | IN | MM | IN | MM | IN | M | FT | PCS |
| 0125 | 3.20 | 1/8 | 1.00 | 0.039 | 0.55 | 0.022 | 150 | 492 | 25 |
| 0187 | 4.80 | 3/16 | 1.50 | 0.059 | 0.60 | 0.024 | 75 | 246 | 25 |
| 0250 | 6.40 | 1/4 | 2.00 | 0.079 | 0.65 | 0.026 | 75 | 246 | 10 |
| 0375 | 9.50 | 3/8 | 3.00 | 0.118 | 0.75 | 0.030 | 75 | 246 | 10 |
| 0500 | 12.70 | 1/2 | 4.00 | 0.157 | 0.75 | 0.030 | 50 | 150 | 10 |
| 0750 | 19.00 | 3/4 | 6.00 | 0.236 | 0.85 | 0.033 | 30 | 96 | 10 |
| 1000 | 25.40 | 1 | 8.00 | 0.315 | 1.00 | 0.039 | 30 | 96 | 10 |
| 1535 | 39.00 | 1 1/2 | 13.00 | 0.512 | 1.15 | 0.045 | 30 | 96 | - |