



HIS is a range of two heat shrink tubing types in handy dispenser boxes. The range consists of HIS-3 and HIS-A (a dual wall tubing) with 3:1 shrink ratios. With their ideal shrink ratio of 3:1 these products replace many differently sized tubing solutions by fitting almost any heat shrink task. The handy dispenser boxes allow for proper storage and the tubing can remain dust-free even after breaking open a package.

### Heat Shrinkable Tubing 3:1 on a Reel

#### • HIS-3

#### Features and Benefits

HIS-3 with 3:1 shrink ratio is the new generation of tubing in dispenser packs fitting highly variable substrate dimensions. Another great benefit of HIS-3 is that only 5 sizes cover the same range of diameters from 1mm up to 20mm in 10 sizes of 2:1 shrink ratio tubing, thus reducing the inventory by half. To complete the range sizes 9/3 and 18/6 are also available.

#### Application

- General purpose electrical insulation
- Coloured Identification
- Protection against corrosion and mechanical abrasion



HIS-3 can fit highly variable substrate dimensions.

| Material Data                       |                                         |
|-------------------------------------|-----------------------------------------|
| Type                                | <b>HIS-3</b>                            |
| Material                            | <b>Polyolefin, cross-linked (POX)</b>   |
| Shrink Ratio                        | <b>3:1</b>                              |
| Longitudinal change after shrinkage | <b>-5% max.</b>                         |
| Minimum Shrink Temperature          | <b>+100 °C</b>                          |
| Operating Temperature               | <b>-55 °C to +135 °C</b>                |
| Insulation Class                    | <b>B (VDE 0530)</b>                     |
| Dielectric Strength                 | <b>20 kV/mm according to ASTM D 150</b> |
| Flammability                        | <b>UL224 VW-1</b>                       |





## Heat Shrinkable Tubing 3:1 on a Reel

### • HIS-3

Technical Table

| Article-No. | Type                 | Supplied<br>Ø D | Recov.<br>Ø d | Wall<br>(WT) nom. | Pack Cont.<br>(m) | Colour              |
|-------------|----------------------|-----------------|---------------|-------------------|-------------------|---------------------|
| 308-30150   | <b>HIS-3-1.5/0.5</b> | 1.5             | 0.5           | 0.45              | 10                | Black (BK)          |
| 308-30152   | <b>HIS-3-1.5/0.5</b> | 1.5             | 0.5           | 0.45              | 10                | Red (RD)            |
| 308-30153   | <b>HIS-3-1.5/0.5</b> | 1.5             | 0.5           | 0.45              | 10                | Transparent (CL)    |
| 308-30156   | <b>HIS-3-1.5/0.5</b> | 1.5             | 0.5           | 0.45              | 10                | Blue (BU)           |
| 308-30300   | <b>HIS-3-3/1</b>     | 3.0             | 1.0           | 0.55              | 10                | Black (BK)          |
| 308-30302   | <b>HIS-3-3/1</b>     | 3.0             | 1.0           | 0.55              | 10                | Red (RD)            |
| 308-30303   | <b>HIS-3-3/1</b>     | 3.0             | 1.0           | 0.55              | 10                | Transparent (CL)    |
| 308-30306   | <b>HIS-3-3/1</b>     | 3.0             | 1.0           | 0.55              | 10                | Blue (BU)           |
| 308-30307   | <b>HIS-3-3/1</b>     | 3.0             | 1.0           | 0.55              | 10                | Green-Yellow (GNYE) |
| 308-30600   | <b>HIS-3-6/2</b>     | 6.0             | 2.0           | 0.65              | 5                 | Black (BK)          |
| 308-30602   | <b>HIS-3-6/2</b>     | 6.0             | 2.0           | 0.65              | 5                 | Red (RD)            |
| 308-30603   | <b>HIS-3-6/2</b>     | 6.0             | 2.0           | 0.65              | 5                 | Transparent (CL)    |
| 308-30606   | <b>HIS-3-6/2</b>     | 6.0             | 2.0           | 0.65              | 5                 | Blue (BU)           |
| 308-30607   | <b>HIS-3-6/2</b>     | 6.0             | 2.0           | 0.65              | 5                 | Green-Yellow (GNYE) |
| 308-30900   | <b>HIS-3-9/3</b>     | 9.0             | 3.0           | 0.75              | 5                 | Black (BK)          |
| 308-30902   | <b>HIS-3-9/3</b>     | 9.0             | 3.0           | 0.75              | 5                 | Red (RD)            |
| 308-30903   | <b>HIS-3-9/3</b>     | 9.0             | 3.0           | 0.75              | 5                 | Transparent (CL)    |
| 308-30906   | <b>HIS-3-9/3</b>     | 9.0             | 3.0           | 0.75              | 5                 | Blue (BU)           |
| 308-30907   | <b>HIS-3-9/3</b>     | 9.0             | 3.0           | 0.75              | 5                 | Green-Yellow (GNYE) |
| 308-31200   | <b>HIS-3-12/4</b>    | 12.0            | 4.0           | 0.80              | 5                 | Black (BK)          |
| 308-31202   | <b>HIS-3-12/4</b>    | 12.0            | 4.0           | 0.80              | 5                 | Red (RD)            |
| 308-31203   | <b>HIS-3-12/4</b>    | 12.0            | 4.0           | 0.80              | 5                 | Transparent (CL)    |
| 308-31206   | <b>HIS-3-12/4</b>    | 12.0            | 4.0           | 0.80              | 5                 | Blue (BU)           |
| 308-31207   | <b>HIS-3-12/4</b>    | 12.0            | 4.0           | 0.80              | 5                 | Green-Yellow (GNYE) |
| 308-31800   | <b>HIS-3-18/6</b>    | 18.0            | 6.0           | 0.90              | 4                 | Black (BK)          |
| 308-31802   | <b>HIS-3-18/6</b>    | 18.0            | 6.0           | 0.90              | 4                 | Red (RD)            |
| 308-31803   | <b>HIS-3-18/6</b>    | 18.0            | 6.0           | 0.90              | 4                 | Transparent (CL)    |
| 308-31806   | <b>HIS-3-18/6</b>    | 18.0            | 6.0           | 0.90              | 4                 | Blue (BU)           |
| 308-31807   | <b>HIS-3-18/6</b>    | 18.0            | 6.0           | 0.90              | 4                 | Green-Yellow (GNYE) |
| 308-32400   | <b>308-32400</b>     | 24.0            | 8.0           | 1.20              | 3                 | Black (BK)          |
| 308-32402   | <b>HIS-3-24/8</b>    | 24.0            | 8.0           | 1.20              | 3                 | Red (RD)            |
| 308-32403   | <b>HIS-3-24/8</b>    | 24.0            | 8.0           | 1.20              | 3                 | Transparent (CL)    |
| 308-32406   | <b>HIS-3-24/8</b>    | 24.0            | 8.0           | 1.20              | 3                 | Blue (BU)           |
| 308-32407   | <b>HIS-3-24/8</b>    | 24.0            | 8.0           | 1.20              | 3                 | Green-Yellow (GNYE) |

All dimensions in mm. Subject to technical changes.