



## Heat shrinkable tubing 3:1 - flexible and coloured

### TF31

If higher fire protection is a requirement heat shrinkable tubing TF31 is a good choice. It is used for protection, insulation and identification wires, cables and light duty harnesses.

#### Features and benefits

- Thin wall, very flexible polyolefin tubing
- Few sizes cover a wide range of diameters allowing reduced inventory
- Fast shrinking and low shrink temperature
- Flame-retardant, UL224 VW1 listed



**Cut lengths available on request. Please contact us!**

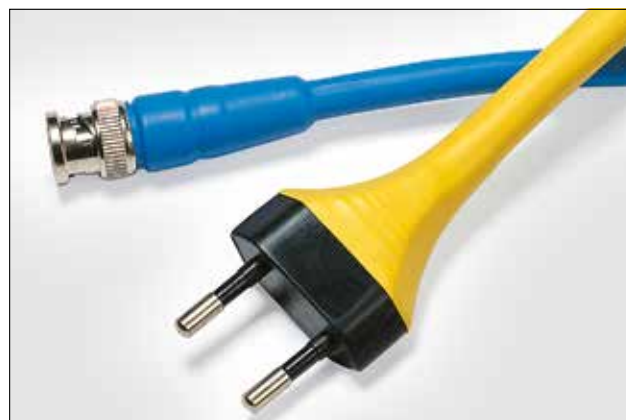


One Step to the Web!



Heat Shrinkable Tubing 3:1

**RoHS** ✓



TF31 with 3:1 shrink ratio allowing for a wider range of application.

|                                            |                                 |
|--------------------------------------------|---------------------------------|
| <b>MATERIAL</b>                            | Polyolefin, cross-linked (PO-X) |
| <b>Shrink Ratio</b>                        | 3:1                             |
| <b>Operating Temperature</b>               | -55 °C to +135 °C               |
| <b>Min. Shrink Temperature</b>             | +90 °C                          |
| <b>Longitudinal change after shrinkage</b> | +5 %/-15 %                      |
| <b>Dielectric Strength</b>                 | 37 kV/mm                        |
| <b>Flammability</b>                        | ASTM D876, UL224 VW-1           |

| TYPE         | Supplied<br>Ø D min. | Recov.<br>Ø d max. | Wall<br>(WT) | Reel<br>Length | Colour              | Tools | Article-No. |
|--------------|----------------------|--------------------|--------------|----------------|---------------------|-------|-------------|
| TF31-1.5/0.5 | 1.5                  | 0.5                | 0.50         | 30 m           | Black (BK)          | 30-32 | 333-30150   |
|              | 1.5                  | 0.5                | 0.50         | 30 m           | Blue (BU)           | 30-32 | 333-30156   |
|              | 1.5                  | 0.5                | 0.50         | 30 m           | Green (GN)          | 30-32 | 333-30155   |
|              | 1.5                  | 0.5                | 0.50         | 30 m           | Green-Yellow (GNYE) | 30-32 | 333-30157   |
|              | 1.5                  | 0.5                | 0.50         | 30 m           | Red (RD)            | 30-32 | 333-30152   |
|              | 1.5                  | 0.5                | 0.50         | 30 m           | White (WH)          | 30-32 | 333-30159   |
|              | 1.5                  | 0.5                | 0.50         | 30 m           | Yellow (YE)         | 30-32 | 333-30154   |
|              | 1.5                  | 0.5                | 0.50         | 300 m          | Black (BK)          | 30-32 | 333-20150   |
| TF31-3/1     | 3.0                  | 1.0                | 0.60         | 30 m           | Black (BK)          | 30-32 | 333-30300   |
|              | 3.0                  | 1.0                | 0.60         | 30 m           | Blue (BU)           | 30-32 | 333-30306   |
|              | 3.0                  | 1.0                | 0.60         | 30 m           | Green (GN)          | 30-32 | 333-30305   |
|              | 3.0                  | 1.0                | 0.60         | 30 m           | Green-Yellow (GNYE) | 30-32 | 333-30307   |
|              | 3.0                  | 1.0                | 0.60         | 30 m           | Red (RD)            | 30-32 | 333-30302   |
|              | 3.0                  | 1.0                | 0.60         | 30 m           | White (WH)          | 30-32 | 333-30309   |
|              | 3.0                  | 1.0                | 0.60         | 30 m           | Yellow (YE)         | 30-32 | 333-30304   |
|              | 3.0                  | 1.0                | 0.60         | 150 m          | Black (BK)          | 30-32 | 333-40300   |

All dimensions in mm. Subject to technical changes.  
Minimum Order Quantity (MOQ) may differ from package content.



For product specific approvals and specifications please refer to the Appendix.