



Thin-wall heat shrinkable insulation tubes, flame retardant with 2:1 shrink ratio, standard colors: black, white, yellow, red, blue, green, clear

* VUKI a.s. * TZHTFR 14/7

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Application

Flame retardant, thin-wall and halon-free heat shrinkable insulation tubes are intended for making watertight fittings for signal, control and communication cables, or alternatively they provide mechanical protection for a variety of other products requiring an increased operating resistance against fire propagation. They are self-extinguishing and halogen-free.

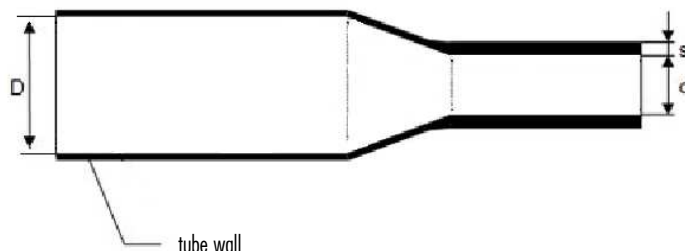
Marking

Identification marking consists of a letter symbol TZHTFR and numbers referring to internal diameter before/after tube shrinkage.

Specifications

Heat shrinkable insulation tubes type TZHTFR are made from modified, peroxide cross-linked special material, with properties displayed in the Tab. 1. Their excellent mechanical and electrical properties, together with self-extinguishing and halogen-free form allow their wide applicability.

Dimensions of the particular types of tubes are shown in the Tab. 2.



D - Expanded as supplied \varnothing D min

d - Fully recovered \varnothing d max

s - Wall thickness after shrinkage (WT)


Tab. 1 Properties of tubes and adhesive

| Physical properties | | |
|-------------------------------------|---------|------------------|
| Tensile strength | [MPa] | min. 10 |
| Elongation at break | [%] | min. 275 |
| Shrink temperature | [°C] | 125 |
| Longitudinal change after shrinkage | [%] | - 10 |
| Operating temperature | [°C] | -40 +110 |
| Electrical properties | | |
| Volume resistivity | [Ω .m] | 10 ¹³ |
| Dielectric strength | [kV/mm] | 12 |
| Chemical properties | | |
| Corrosion | | non-corrosive |
| Water absorption | [%] | 0,2 |

Tab. 2 Dimensions of the particular types of tubes

| Code/Size | D mm | d mm | S mm | P spool/m, pcs/m |
|------------------|------|------|------|------------------|
| TZHTFR 2,5/1,2 | 2,5 | 1,2 | 0,44 | spool/200m |
| TZHTFR 3,0/1,5 | 3,0 | 1,5 | 0,44 | spool/200m |
| TZHTFR 3,5/1,7 | 3,5 | 1,7 | 0,44 | spool/200m |
| TZHTFR 4,0/2,0 | 4,0 | 2,0 | 0,44 | spool/200m |
| TZHTFR 5,0/2,5 | 5,0 | 2,5 | 0,56 | spool/150m |
| TZHTFR 6,0/3,0 | 6,0 | 3,0 | 0,56 | spool/150m |
| TZHTFR 7,0/3,5 | 7,0 | 3,5 | 0,56 | spool/150m |
| TZHTFR 8,0/4,0 | 8,0 | 4,0 | 0,56 | spool/150m |
| TZHTFR 9,0/4,5 | 9,0 | 4,5 | 0,56 | spool/150m |
| TZHTFR 10/5 | 10 | 5 | 0,56 | spool/100m |
| TZHTFR 12/6 | 12 | 6 | 0,56 | spool/100m |
| TZHTFR 12,7/6,35 | 12,7 | 6,35 | 0,56 | spool/100m |
| TZHTFR 14/7 | 14 | 7 | 0,69 | spool/100m |
| TZHTFR 16/8 | 16 | 8 | 0,69 | spool/100m |
| TZHTFR 18/9 | 18 | 9 | 0,69 | spool/50m |
| TZHTFR 20/10 | 20 | 10 | 0,78 | spool/50m |
| TZHTFR 22/11 | 22 | 11 | 0,78 | spool/50m |
| TZHTFR 25/12,5 | 25 | 12,5 | 0,78 | spool/50m |
| TZHTFR 30/15 | 30 | 15 | 0,87 | spool/50m |
| TZHTFR 40/20 | 40 | 20 | 0,97 | spool/50m |
| TZHTFR 50/25 | 50 | 25 | 0,97 | spool/50m |
| TZHTFR 76/38 | 76 | 38 | 1,17 | spool/25m |
| TZHTFR 100/50 | 100 | 50 | 1,17 | spool/25m |
| TZHTFR 120/60 | 120 | 60 | 1,17 | spool/25m |
| TZHTFR 150/75 | 150 | 75 | 1,17 | spool/25m |

Tubes TZHTFR are supplied on spools, lengths are displayed in the Tab. 2.

Ordering description example: TZHTFR 10/5 - spool/100m



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