



Heat shrinkable insulation tubes, adhesive lined, flame retardant with 3:1 shrink ratio

* VUKI a.s. * TZHRFL 9/3

Application

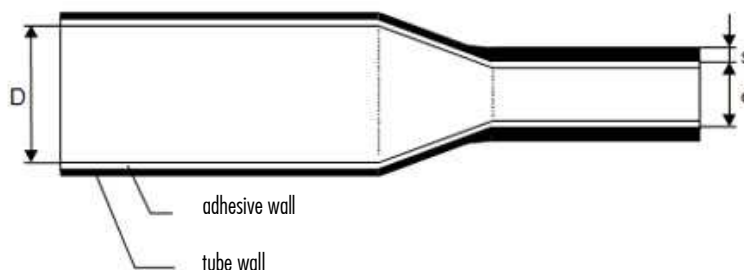
Flame retardant heat shrinkable insulation tubes are intended for making watertight fittings for signal, control and communication cables and other products. The inner wall of tube is hot melt adhesive film lined, generating reliable and long-term stable connections of shrinkable tubes with supporting background material (PVC, PE, Cu, Fe etc.). Tubes are supplied with adhesive film and are self-extinguishing.

Marking

Identification marking consists of a letter symbol TZHRFL and numbers referring to internal diameter before/after tube shrinkage, e.g. TZHRFL 9/3.

Specifications

Flame retardant heat shrinkable insulation tubes type TZHRFL are made from modified, peroxide cross-linked polyethylene, with properties displayed in the Tab. 1. Excellent mechanical and electrical properties of the base insulating material 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. 11
Elongation at break	[%]	min. 350
Shrink temperature	[°C]	125
Longitudinal change after shrinkage	[%]	- 10
Operating temperature	[°C]	-40
- long-term		
- short-term		+110
Electrical properties		
Volume resistivity	[$\Omega \cdot m$]	10^{13}
Dielectric strength	[kV/mm]	12
Chemical properties		
Corrosion		non-corrosive
Water absorption	[%]	0,2
Adhesion properties		
Softening point	[°C]	60

Tab. 2 Dimensions of the particular types of tubes

Code/Size	D [mm]	d [mm]	S+L [mm]	S[mm]	P spool/m, pcs/m
TZHRFL 6/2	6	2	1,1	0,6	spool/100m
TZHRFL 9/3	9	3	1,3	0,7	spool/60m
TZHRFL 12/4	12	4	1,5	0,8	spool/60m
TZHRFL 18/6	18	6	2,0	0,1,2	spool/60m
TZHRFL 24/8	24	8	2,3	1,4	spool/60m
TZHRFL 39/13	39	13	2,5	1,5	spool/60m
TZHRFL 50/17	50	17	2,5	1,5	pcs/1,2m
TZHRFL 75/25	75	25	2,5	1,5	pcs/1,2m
TZHRFL 100/34	100	34	2,5	1,5	pcs/1,2m

D - Expanded as supplied \varnothing D min.

d - Fully recovered \varnothing d max.

S+L- Tube wall thickness (W) + Adhesive wall thickness (W1) after shrinkage

S - Wall thickness after shrinkage (WT)

P - Packaging (P), Minimum order quantity (MOQ)

Tubes TZHRFL are supplied on spools, lengths are displayed in the Tab. 2, or of 1,2m cut lengths bulk packed in PE bags.

Ordering description example: TZHRFL 24/8 with adhesive - spool/60m



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