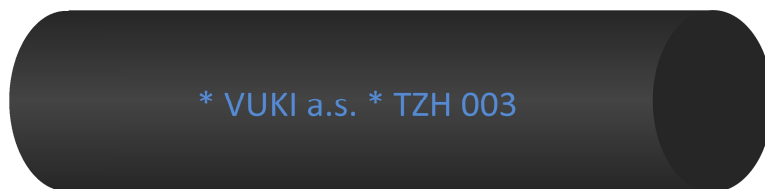




Heat shrinkable insulation tubes



Application

Heat shrinkable insulation tubes are intended for making watertight fittings for high-voltage power cables and communication cables and local protection against increased mechanical stress. Alternatively, they provide mechanical protection for a variety of 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 without adhesive upon prior request in orders, e.g. TZH 01-12/3 without adhesive + number of units/meters.

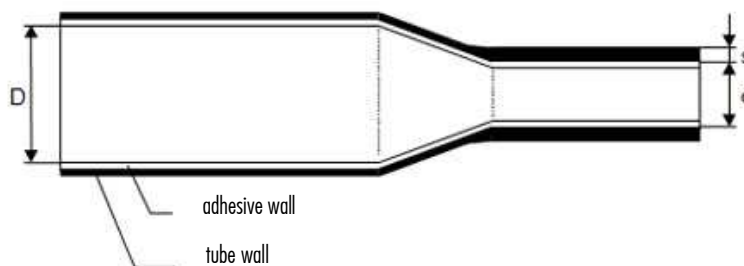
Marking

Identification marking consists of a letter symbol TZH (product name) and a figure indicating size of an insulation tube.
Packaging: tubes are supplied in lengths of 1000mm, packed in PE bags. NB: shorter lengths are supplied upon prior request.

Specifications

Heat shrinkable tubes type TZH 003-005, TZH 01-05 and 1-8 are made from modified, radiation cross-linked polyethylene, with properties displayed in the Tab. 1. Excellent mechanical and chemical properties of the base material allow their wide applicability.

Dimensions of the particular types of tubes are shown in the Tab. 2. Heat shrinkable insulation tubes TZH 003-005, TZH 01-05 and 1-8 are produced and supplied in compliance with VUKI corporate standards 22 003.



- D - Expanded as supplied \varnothing D min
- d - Fully recovered \varnothing d max
- s - Wall thickness after shrinkage (WT)



F-11.1.21-64-5/15.en

The data was prepared for informational purposes only, is to be a topic of revising if new knowledge and experience is available and does not contain any representations, legally binding declarations or guarantees. A liability of VUKI a.s. products for the correctness of the information contain herein is excluded and any specifications are subject to change without notice. In addition, any intellectual property rights remain within VUKI a.s. products and are reserved. VUKI a.s.

VUKI a.s., Rybníčná 38, SK - 831 07 Bratislava, Tel.: +421 2 4488 9906, Fax: +421 2 4488 2927
e-mail: vuki@vuki.sk, www.vuki.sk


Tab. 1 Properties of tubes and adhesive

Physical properties		
Tensile strength	[MPa]	min. 13
Elongation at break	[%]	min. 350
Shrink temperature	[°C]	150 - 200
Longitudinal change after shrinkage	[%]	- 15 + 5
Operating temperature - long-term - short-term	[°C]	100 150
Thermal shock resistance	4 h at 200 °C	no dripping, no flowing, no cracking
Electrical properties		
Volume resistivity	[Ω.m]	10 ¹³
Dielectric strength	[kV/mm]	12
Chemical properties		
Corrosion		non-corrosive
Water absorption	[%]	0,2
Adhesion properties		
Softening point	[°C]	70 - 80
Dielectric strength	[kV/mm]	10
Water absorption	[%]	0,2

Tab. 2 Dimensions of the particular types of tubes

Code	Size	D [mm]	d [mm]	s [mm]
TZH 003 *	4,5/1,5	4,5	1,5	1
TZH 004 *	7,5/2,5	7,5	2,5	1,4
TZH 005 *	8,5/2,5	8,5	2,5	1,4
TZH 01	12/3	12	3	2,4
TZH 02	17/5	17	5	2,9
TZH 03	20/7	20	7	2,4
TZH 04	25/8	25	8	3,6
TZH 05	30/10	30	10	2,5
TZH 1	37/14	37	14	3,8
TZH 2	42/16	42	16	3,6
TZH 3	47/19	47	19	3,6
TZH 4	70/30	70	30	5,1
TZH 5	89/37	89	37	5,1
TZH 6	100/42	100	42	5,1
TZH 7	113/46	113	46	5,1
TZH 8	125/46	125	46	5,1

* tubes 003-005 with adhesive are supplied in 500 mm length only

