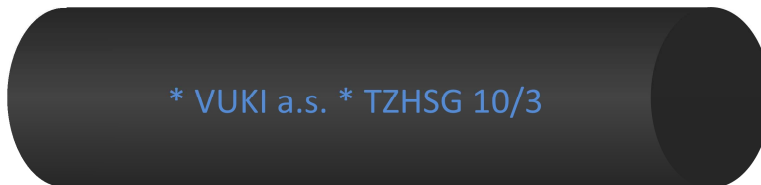




Medium-wall heat shrinkable insulation tubes, adhesive lined, up to 1kV



Application

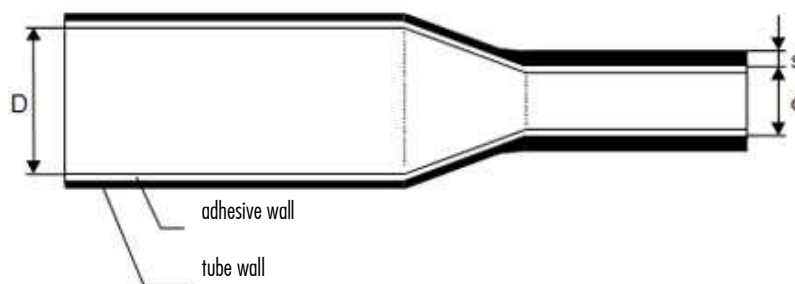
Medium-wall heat shrinkable insulation tubes are intended for making watertight fittings for high-voltage power cables and communication cables and local protection against increased mechanical stress. Alternatively, they provide mechanical protection for a variety of other products. The inner wall of 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 with adhesive film. They provide complete external protection and insulation according to IP 68. and are not suitable for implementing in hydrothermal spallation drilling systems with temperature above 50°C.

Marking

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

Specifications

Heat shrinkable tubes type TZHSG 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 +110
Electrical properties		
Volume resistivity	[Ω..m]	10 ¹³
Dielectric strength	[kV/mm]	12
Chemical properties		
Corrosion		non-corrosive
Water absorption	[%]	0,5
Adhesion properties		
Softening point	[°C]	60

Tab. 2 Dimensions of the particular types of tubes

Code/Size	D [mm]	d [mm]	s [mm]
TZHSG 10/3	10	3	1,5
TZHSG 12/4	12	4	1,8
TZHSG 19/6	19	6	2,0
TZHSG 27/8	27	8	2,5
TZHSG 30/8	30	8	2,6
TZHSG 33/10	33	10	2,6
TZHSG 40/12	40	12	2,7
TZHSG 50/16	50	16	2,7
TZHSG 70/22	70	22	2,7
TZHSG 90/28	90	28	3,0
TZHSG 105/30	105	30	3,0
TZHSG 115/34	115	34	3,2
TZHSG 130/36	130	36	3,2
TZHSG 140/42	140	42	3,2
TZHSG 160/50	160	50	3,3
TZHSG 180/60	180	60	3,3
TZHSG 200/70	200	70	3,3

Tubes TZHSG are supplied in 1000mm, **bulk packed in PE bags.**

Ordering description example: TZHSG 30/8 with adhesive - 100m



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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