

7. HEAT SHRINKABLE TUBING PRODUCTS / TZHTF



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



Application

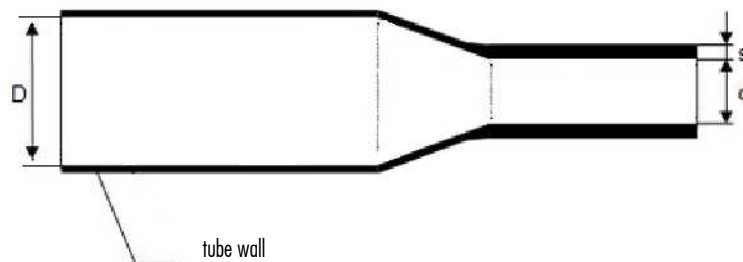
Thin-wall heat shrinkable insulation tubes with 2:1 shrink ratio in a variety of colors are intended for making watertight fittings for signal, control and communication cables and are electroinsulating purposes applicable within 600 volts. They provide excellent mechanical and anticorrosive protection for other products as well.

Marking

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

Specifications

Heat shrinkable insulation tubes type TZHTF are made from modified, peroxide cross-linked polyethylene, with properties displayed in the Tab. 1. 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
TZHTF 2,5/1,2	2,5	1,2	0,44	spool/200m
TZHTF 3,0/1,5	3,0	1,5	0,44	spool/200m
TZHTF 3,5/1,7	3,5	1,7	0,44	spool/200m
TZHTF 4,0/2,0	4,0	2,0	0,44	spool/200m
TZHTF 5,0/2,5	5,0	2,5	0,56	spool/150m
TZHTF 6,0/3,0	6,0	3,0	0,56	spool/150m
TZHTF 7,0/3,5	7,0	3,5	0,56	spool/150m
TZHTF 8,0/4,0	8,0	4,0	0,56	spool/150m
TZHTF 9,0/4,5	9,0	4,5	0,56	spool/150m
TZHTF 10/5	10	5	0,56	spool/100m
TZHTF 12/6	12	6	0,56	spool/100m
TZHTF 12,7/6,35	12,7	6,35	0,56	spool/100m
TZHTF 14/7	14	7	0,69	spool/100m
TZHTF 16/8	16	8	0,69	spool/100m
TZHTF 18/9	18	9	0,69	spool/50m
TZHTF 20/10	20	10	0,78	spool/50m
TZHTF 22/11	22	11	0,78	spool/50m
TZHTF 25/12,5	25	12,5	0,78	spool/50m
TZHTF 30/15	30	15	0,87	spool/50m
TZHTF 40/20	40	20	0,97	spool/50m
TZHTF 50/25	50	25	0,97	spool/50m
TZHTF 76/38	76	38	1,17	spool/25m
TZHTF 100/50	100	50	1,17	spool/25m
TZHTF 120/60	120	60	1,17	spool/25m
TZHTF 150/75	150	75	1,17	spool/25m

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

Ordering description example: TZHTF 10/5 – spool/60m

