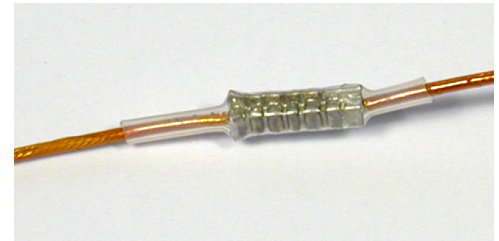


UHV compatible Shrink Hose: 316-SHRINK-20 to 316-SHRINK-250

Shrink hoses are very useful for solving insulation or fitting problems inside a vacuum system.

Made of PTFE, the hoses' typical upper usable temperature is 250°C. They are not recommended for radiation environment.

The sizes offered by Allectra range from 0,65mm to 25mm.



One possible application: Insulation of a crimped cable connection with 316-SHRINK-32

316-SHRINK-	-20	-32	-63	-95	-140	-190	-250
ID (mm)	2	3.2	6.3	9.5	14	19	25
Shrink rate	~ 4 : 1						
ID min (mm)	0.65	1	1.6	2.5	4	6	7
Material	PTFE						
Wall thickness (initial)	45µm						
Shrink temp.	>350°C						
Working temp.	-200 ...260°C ¹⁾						
Voltage rating	1KV ²⁾						
Vacuum	UHV						

Notes:

1. PTFE becomes brittle at temperatures below -40°C, and can break under bending.
2. The disruptive voltage of PTFE according to DIN 53481 / ASTM D-127 is 20KV/mm. Others rate this at 40 to 80 KV/m. Tests performed by Allectra on shrink hose samples showed no disruptive discharge even at 12KV DC.
3. Shrink hoses typically have a higher voltage rating, as wall thickness is increased by the shrinking process.