




High Voltage Non-Tracking Tubing

The **JOINTMASTER** -  elcon non-tracking tubing is brick red in colour, with excellent non tracking and erosion resistance properties, and is widely used on all Jointmaster terminations.

This non-tracking tubing is an ideal insulation for external and internal, medium voltage cable terminations in switchgear and substations up to 36kV.

The **JOINTMASTER** -  elcon non-tracking tubing is halogen free and self extinguishing and is supplied in 40 meter rolls.



Tubing Size	A(exp)	B(rec)	C(rec)
TAT 30/08	30	08	2.5
TAT 35/10	35	10	3.0
TAT 49/16	49	16	3.0
TAT 56/21	56	21	3.1
TAT 70/26	70	26	3.6
TAT 100/40	100	40	3.9

MATERIAL SPECIFICATION: Non-Tracking Tubing		
THERMAL PROPERTIES	RESULTS	TEST METHOD
Continuous operating temperature	-40 ~ +100°C	IEC 216
Shrinking temperature	120°C	IEC 216
Thermal shock	No damage	ASTM D 2671-746
Flamability	Self extinguishing	ASTM D 876
PHYSICAL PROPERTIES		
Shrink ratio	3 : 1	
Tensile strength	>10 N/mm ²	ASTM D 638
Elongation	> 300%	ASTM D 638
Longitudinal shrinkage	< 10%	ASTM D 2671
Permeability	< 0,1%	UNI ISO 62
ELECTRICAL PROPERTIES		
Dielectric strength	> 15 kV/mm	ASTM D 149
Volume resistivity	> 1 x 10 ¹⁴ cm	ASTM D 257
Comparative tracking index	KA1	IEC 112
Permittivity	3	ASTM D 150
CHEMICAL PROPERTIES		
Mould resistance	No growth	ASTM G 21 - D 638

Setting the Standards in Cable Jointing