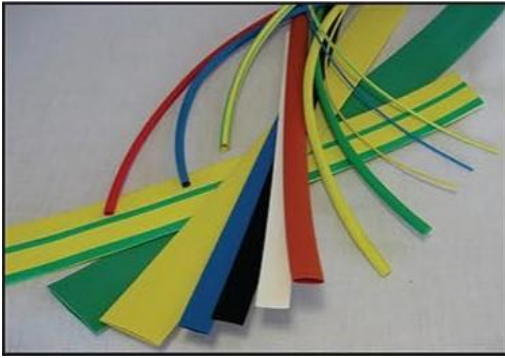


Thin Wall

ATW



Technical Data

Properties	Test Methods	Typical Values
Tensile (MPa)	UL 224	> 10.4
Elongation (%)	UL 224	> 200
Heat Ageing: Tensile (MPa) : Elongation (%)	UL 224 (158°C x 168 hrs)	> 7.3 > 100
Heat Shock	UL 224 (250°C x 4hrs)	No Cracks/Dripping
Low temperature Flexibility	ASTM D 2671 (4 hrs @ - 35°C)	No Cracking
Copper Stability	ASTM D 2671 (158°C x 168 hrs)	Pass
RoHS (ppm)	IEC 62321 (Cd, Pb, Cr ₆ , Hg)	< 200
Flammability	VW-1	Pass
Dielectric Strength (kV/mm)	ASTM D 2671	> 15
Volume Resistivity	ASTM D 257	
Halogen Test (ppm)	EN 114582 (BF, Cl, F, I)	< 800



Dimensions

Product	Inside Diameter (mm)		Lay-flat size (mm)	Suitable for wire sizes (mm ²)	Wall Thickness (mm)		Length per reel (m)
	Supplied	Recovered			Supplied	Recovered	
ATW1.2	1.2	0.6	2		0.18	0.36	200
ATW1.6	1.6	0.8	2.5		0.18	0.36	200
ATW2.4	2.4	1.2	3.8	0.5	0.18	0.36	200
ATW3.2	3.2	1.6	5	1	0.20	0.40	200
ATW4.8	4.8	2.4	7.5	1.5-2.5	0.23	0.46	100
ATW6.4	6.4	3.2	10	4-6	0.28	0.60	100
ATW9.5	9.5	4.8	15	10-16	0.30	0.60	100
ATW12.7	12.7	6.4	20	25-35	0.33	0.66	100
ATW16	16.0	8	25		0.38	0.76	100
ATW19	19.0	9.5	30	50-95	0.40	0.80	100
ATW25.4	25.4	12.7	40	120-185	0.45	0.90	50
ATW32	32.0	16	50		0.45	0.90	50
ATW38.1	38.1	19	60	240-300	0.50	1.00	50
ATW50.8	50.8	25.4	80	500-630	0.50	1.00	25
ATW76	76.0	38	120		0.65	1.30	25
ATW100	100.0	50.8	160		0.65	1.30	25

Tolerances for recovered wall thickness from 1.6 to 16 mm + - 0.10 mm
19 to 50 mm + - 0.15 mm
50 to 100 mm + - 0.2 mm

Description

ATW is a halogen free, RoHS, flame retardant tubing designed for application in closed and sensitive environments such as trains, ships and in underground mining where the formation of acid gas after fire must be minimised to avoid consequential damage to computers, PC's and electronic control equipment. Being RoHS compliant means the product does not contain restricted substances such as Cadmium (Cd), Lead (Pb), Hexavalent Chrome (Cr₆) and Mercury (Hg). RoHS is now a requirement in the automotive industry.

Features

- Cross-linked polyolefin
- Shrink Ratio 2 : 1
- Operating temperature - 55 to 125°C
- Excellent flame retardance VW-1
- Colours - Standard colours, green/ yellow stripe and clear
- Minimum shrink temperature 70°C
- 600V
- Black - UV Stable

Applications

- Quick recovery at low temperatures makes it ideal for use in electronics and telecommunication applications
- RoHS coupled to flame retardant properties makes this product suitable for use in automotive harnesses
- Ships, trains and underground mining
- Any enclosed areas which contain sensitive electronic equipment and computers

Other Colours on request



Inside Diameter vs Layflat

