



# DM-TCS DUAL WALL TUBING

Heat shrink tubing for terminals and crimp splice

## Applications

Manufactured by co-extrusion polyolefin and polyamide, it has excellent tensile strength, puncture resistance and waterproof properties. Specially designed for environment sealing and protection of crimp splices and terminations.

## Features

Shrink ratio: 3:1  
Excellent puncture resistance  
High peel strength.  
Abrasion and corrosion resistance.  
Waterproof and moisture resistance.

## Various

Operating temperature: - 55°C to +125°C  
Minimum shrink temperature: 80°C  
Minimum fully recovery temperature: 130°C  
Standard color: Red, blue, yellow

## Technical Data

Property	Test Method	Values
Tensile strength	Room temp	≥16 MPa
Elongation at break		≥200%
Voltage withstand and breakdown Voltage		Withstand 2.5KV for 1minute and breakdown
Tensile strength at aging	158°C/7days	≥11.5 MPa
Elongation at break at aging		≥100%
Voltage withstand and breakdown Voltage at aging		At least half of un-aged breakdown voltage
Copper corrosion		No sign of degradation
Copper stability		No drop, no flow
Cold bend	-30°C/4 hrs	No cracking
Maximum secant modulus (2%)		250MPa
Volume resistivity		Min. 10 <sup>14</sup> Ω-cm
Heat shock	250°C/4 hrs	No cracking

## Dimensions

As Supplied (mm)		After Recovery (mm)		Standard length
Inside Diameter Min. (D)	Wall Thickness Min. (WT)	Inside Diameter Min. (D)	Wall Thickness Min. (WT)	m/roll
Φ3.2±0.3	0.35±0.05	Φ1.0	1.0±0.1	100
Φ4.8±0.3	0.45±0.05	Φ1.4	1.1±0.1	100
Φ5.8±0.3	0.45±0.05	Φ1.7	1.2±0.1	100
Φ6.8±0.3	0.5±0.05	Φ2.1	1.4±0.1	100
Φ7.0±0.3	0.5±0.05	Φ2.5	1.5±0.1	100
Φ8.3±0.3	0.65±0.05	Φ3.0	1.65±0.1	100

