

A.N. WALLIS & CO. LTD

TECHNICAL DATA SHEET | EARTHING & LIGHTNING PROTECTION CONDUCTORS

Product Overview

AN Wallis TT 253 is a high-conductivity fully tinned copper tape designed for use as down-conductors and earth conductors in structural lightning protection and electrical grounding systems. The complete tin plating provides superior defense against galvanic corrosion when in contact with dissimilar metals (such as aluminum) and offers exceptional longevity in highly contaminated or aggressive soil environments.

Technical Specifications

Parameter / Property	Specification Value	Reference Standard / Notes
Part Number	TT 253	Standard bare tinned variant
Conductor Dimensions	25 mm × 3 mm	Nominal width × thickness
Cross Sectional Area (C.S.A.)	75 mm ²	Meets IEC/BS EN 62561-2 limits
Material Composition	High Conductivity Annealed Copper	Minimum Copper purity 99.90%
Surface Finish	Fully Tinned (Electro-plated Tin)	Prevents oxidation & bimetallic corrosion
Weight per Metre	0.67 kg/m	Theoretical nominal weight
Standard Coil Lengths	25 metres / 50 metres	Supplied in tightly wound standard coils
Edge Profile	Radiused / Rounded Edges	Ensures safe handling & flexible bending
Compliance Standards	BS EN 13601, IEC/BS EN 62561-2	Formerly BS 1432 standard criteria

Insulated Protective Variants

For projects specifying external insulation layers to match structural aesthetics or for underground runs, the following configurations are available:

- TT 253 GY:** Green / Yellow PVC insulated version (Nominal weight: 0.79 kg/m)
- TT 253 LSOH:** Low Smoke Zero Halogen jacketed variant for interior public infrastructure installations.