

Technical Specification

T0535 Air Hose- Low smoke (Formerly SE-0957) Zero Halogen

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1 Purpose

- 1.1 The purpose of this Specification is to define requirements for flexible air hose, to be laid directly onto railway track ballast and crossing under traction current and running rails. The hose shall therefore have a voltage rating of 1000V.
- 1.2 The hose shall be suitable for running in both open and tunnel areas.

2 Scope

- 2.1 This Specification applies to Air Hoses used in association with pneumatic items of signalling equipment, including points and train stops.

3 Performance Requirements

3.1 Construction

- 3.1.1 The hose shall consist of a lining, resistant to oil and mist, a fibre reinforcement and an abrasion resistant outer cover, resistant to oil and mist.
- 3.1.2 The hose colour shall be of the manufacturer's choosing.
- 3.1.3 The hose shall have an internal bore of 12.7mm +/- 0.7mm, and an overall diameter of not less than 25.5mm. The concentricity of the hose shall not be less than 70%.
- 3.1.4 The hose shall not exceed a mass of 1.5kg/m
- 3.1.5 The construction of the hose shall be compatible with a working pressure of 4.14 bar (60 lbs/sq inch)

3.2 Fire

The hose shall comply with London Underground standard 1-085 requirements for non-listed items.

