



TECHNOPOLYMER Rail Hose

Fire Resistant Brake / Air Hose

A new soft-wall technopolymer, textile twin braided hose designed for compressed air systems in rail carriages, bogies and locomotives.

- **Fire Resistance at Lower Cost**
 - Low Toxicity
 - Low Smoke Emission
 - RSE/STD/004/PT10 certified (see note exemptions)
- **Textile braided non-conductive hose permits use on 'live' 3rd rail application**
- **Technical performance suitable for metropolitan underground rail applications**
 - London Underground, TfL, MTR, Paris Metro etc.
- **Competitive cost - both Underground & Overground = common hose for all applications**

Testing and Certification

RSE/STD/004/PT10 and in accordance to BS3682 Part 1:1984.

Exceptions in the following parameters; Tensile Strength: 9mn/m² Lining and Cover (RSE Specification Lining 14mn/m², Cover 10.5mn/m²).
Elongation at break: 400% both Lining and Cover (RSE Specification Lining 500%, Cover 300%).

NF F 11-380/cat2. Certified NFF 16-101:1988 – Classification F1 - I2, grid 5 and 6.

UNI CEI EN 45545 - 2:2013: For Hazard Levels HL1 - HL2 – HL3, for requirement R22 and R23.

BS 6853:1999: Classification – CAT. 1a Interior and Exterior.

Temperature: -30C (-22F) to +70C (158F)

Construction

Tube: black, smooth, Technopolymer synthetic rubber.

Reinforcement: high strength synthetic aramid cord (textile braided)

Cover: black, smooth (wrapped finish), Technopolymer synthetic rubber is weathering, ozone, oil and fire resistant.

Marking according to the appropriate standard
(E.g. RSE/Std.004 Pt. 10 = Red Stripe, manufacturers name, month/year of manufacture)

Performance & Dimensions:

Inside diameter		Outside diameter		Burst pressure		Weight nominal		Length max	
mm	inch	mm	inch	bar	psi	kg/m	lbs/ft	m	ft
6	1/4	16	0.63	50	750	0.23	0.16	60	200
8	5/16	18	0.71	50	750	0.27	0.18	60	200
10	25/64	22	0.87	50	750	0.41	0.28	60	200
12	15/32	24	0.95	50	750	0.46	0.31	60	200
15	19/32	27	1.06	50	750	0.54	0.36	60	200
16	5/8	29	1.14	50	750	0.59	0.4	60	200
19	3/4	33	1.3	50	750	0.76	0.51	60	200
20	25/32	34	1.34	50	750	0.79	0.53	60	200
22	7/8	37	1.46	50	750	0.94	0.63	60	200
25	1	39.5	1.56	50	750	0.97	0.65	60	200

FOR A COMPETITIVE QUOTE CONTACT
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Tinsley Bridge Group

With world class capability in design and manufacture, Tinsley Bridge have a unique capability to provide innovative and highly cost effective complete solutions and packages of equipment for both rail OEM's and maintenance providers of rolling stock.

175 years of rail engineering experience ensures Safety Critical rail products are delivered to the highest levels of quality and precision:

- Anti-roll bar & torsion bar suspension systems, including lightweight tubular solutions
- Precision machined and fabricated components
- VAMAC brake hoses
- Signal antennae & aerials
- Brake system assemblies
- Suspension packers including composite materials

Extensive technical development resources compliment a 20,000m² manufacturing facility with world class quality control, supplier development and logistical capabilities.

Our innovative FabBloc60A fire retardant barrier material provides tested and proven 60-minute fire protection against fire occurring in railway carriage flooring.

As an approved Network Rail supplier, Tinsley Bridge manufacture track switch components and a range of infrastructure items including bridges, gantries and train wash systems.

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