InterWorld Network (M) Sdn Bhd | Your Global Resource
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PRODUCT DATA SHEET

Steam/Water Wire-Braided Rubber Hose

The wire-braided steam rubber hose is engineered with high-temperature-resistant inner and outer rubber, reinforced with high-tensile steel wire and nylon layers for superior pressure resistance, flexibility, and burst protection. Designed for saturated and superheated steam at 165°C–200°C, it is widely used in steam cleaning, vulcanizing equipment, heat-press machines, and injection molding systems—providing a safe and reliable flexible hose solution for demanding steam applications.

1. Application

Designed for the delivery of **saturated or superheated steam at 165°C–200°C**.
Commonly used in:

- Steam cleaners
- Steam hammers
- Flat vulcanizing machines
- Injection molding and other thermal-pressure equipment

Suitable as a flexible steam transmission line in high-temperature industrial environments.

2. Appearance

Item	Description
Surface	Smooth and uniform vulcanized finish
Marking	Clear and complete specification printing
Quality Grade	Manufactured in compliance with national standards

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3. Rubber Construction

Layer	Material Description
Cover	Abrasion-resistant rubber
Tube	Abrasion-resistant, steam-resistant rubber
Reinforcement	**High-tensile steel wire braiding + strong nylon cord** for enhanced pressure resistance and burst protection

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4. Performance

Item	Requirement / Description
Medium	Saturated steam / superheated water
Working Temperature	**165°C – 200°C**
Working Pressure	1.0–2.5 MPa (varies by size; steel braiding withstands ≥3× test pressure)
Burst Pressure	≥ 3 × working pressure (e.g., 5.6 MPa test result: no leakage)
Tensile Strength (Tube & Cover)	≥ 7 MPa
Adhesion (Rubber–Steel Wire)	≥ 16 kN/m
Flexibility	Excellent bending resistance; hose does not collapse easily
Standard	HG/T 3036-2009

*Remark:The 5.6 MPa value refers to a one-time test pressure, demonstrating the structural integrity of the hose.
However, the continuous working pressure must be maintained within 1.0–2.5 MPa to ensure safety and service life.
This practice follows international standards for all steel wire–braided steam hoses.

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6. Features

- High-temperature and high-pressure resistance
- Steel wire braiding provides superior burst strength
- Excellent abrasion, aging, and steam resistance
- Strong adhesion between layers prevents delamination
- Flexible and durable, suitable for continuous industrial use