CORD/4882/C-542/20

RAILWAY INDUSTRY

EN ISO 9001:2015
No. : Q-3353-24
EN ISO 45001:2018
No. : 20152240011742
EN ISO 14001:2015
No. : 20051240011741

MANIFATTURA TUBI GOMMA S.p.A.
Grisignano di Zocco, 36040 (VI) ITALY
T. +39 0444.614755 | info@mtgspa.com
www.mtgspa.com



APPLICATION

- Rubber hose with high resistance to surface electrical stress, designed for fixed pneumatic lines on railway rolling stock and tram vehicles, used for air transfer in pantograph supply systems in compliance with UNI 4882.
- The hose complies with the requirements of UNI EN 45545-2 (fire protection for railway rolling stock) for hazard levels HL1 and HL2 under requirement sets R22 and R23.

CONSTRUCTION

- Hose manufactured with MTG rubber code 38N.

TUBE
- Synthetic rubber, self-extinguishing, black, smooth, resistant to fat and mineral oil.

REINFORCEMENT
- Plies of synthetic cord.

COVER
- Synthetic rubber, self-extinguishing, black colour, smooth, cloth finish, resistant to ozone, weather, fats and mineral oil.

STANDARDS

- UNI 4882.
- EN ISO 4589-2 (fire behavior determined by oxygen index).
- EN ISO 5659-2 (optical smoke density).
- NF X 70-100-1/2 (toxic gas emissions).

CERTIFICATIONS

- Test report "LAPI no. 1190.1IS0040/2023 dated 04/07/2023", test method: UNI EN 45545-2:2020.

TEMPERATURE RANGE

- From -30°C to +90°C.

WORKING PRESSURE

- 20 bar.

SAFETY FACTOR

- ≥ 3 times working pressure.

DIELECTRIC STRENGTH

- ≥ 5000 V/mm.

MARKING

MTG QUARTER/YEAR - UNI 4882 - EN 45545

TECHNICAL SPECIFICATIONS

SIZE TOLERANCES: As stated in the UNI 4882 Standards.

ID mm	Approx. weight kg/m	Min. bending radius* mm	Length m
8x15	0,17	48	40
10x20	0,30	60	40
13x23	0,37	78	40
13x28	0,62	78	40
20x32	0,67	120	40
25x39	0,86	150	40

* Bending radius achievable at a pressure ≥ 1 bar.
Other sizes and colours are available upon request. Please contact our Sales Department. Above technical data refer to application at room temperature (+20°C).
MTG reserves the rights to implement changes in product specifications without notice and as may be deemed appropriate by the Company for any technical or commercial reason. The selection of fittings for our hoses should be made in accordance with the recommendations provided in ISO 8331: "Rubber and plastics hoses and hose assemblies - Guidelines for selection, storage, use and maintenance."

Cod. IT-C00162

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