

DuraUni M2 FRL Rail

Product Description

The DuraUni M2 FRL Rail is a lightweight, flame retardant, two-ply duct, consisting of a white FR neoprene coated glass fabric with a matching interior lining. The duct is structured with a copper coated steel wire and finished with a smooth, white neoprene outer skin. The product is CE certified and complies to E DIN 4102B1, NFP92501-M1, DIN 5510-2, EN 45545-2:2013 + A1:2015, ISO 5658-2, EN 5660-1 and ISO 5659-2 standards. The duct is particularly suitable for the railway industry, including train and wagon HVAC systems. The duct is also available with ultra lightweight spiral options.

Technical Specifications

EuroDucting Product Name	DuraUni M2 FRL Rail
Application Medium	Non-corrosive medium temperature gasses
Pressure Res. Min/Max (mmWS/mmWG & bar)	7000 mmWS/mmWG to +2.5 bar
Duct Inside Diameter Min/Max (mm)	10 mm to 400 mm
Duct Length Min/Max (mm)	100 mm to 40,000 mm (up to 5x when spliced)
Temperature Tolerance Min/Max (°C)	-50°C to +150°C
Crush and Kink Proof	No
Interior Lining Structure	Smooth (also when bent), concealed spiral
Standard Cuff Type	Straight Cut
Static Properties	Antistatic, if spiral earthed. 10n6
Magnetic Properties	Not Applicable
Flame Retardant	Yes

Comparison Chart

	M2 FRL Rail (this product)	M2 i Standard	M2 Standard	M2 FRLi Rail
Inner Material	FR White Neoprene Glass	Neoprene Coat. Glass 0.8mm	Neoprene Coat. Glass 0.8mm	FR White Neoprene Glass
Outer Material	FR White Neoprene Glass	Neoprene Coat. Glass 0.8mm	Neoprene Coat. Glass 0.8mm	FR White Neoprene Glass
Insulation Material	No Insulation Material	Melamine Foam Basotec 6mm	No Insulation Material	White Glass Wool
Overlayer Material	No Overlayer Material	Neoprene Glass Fabric	No Overlayer Material	Aluminium Polyester Tape
Spiral Material	Copper Coated Steel Wire	Copper Coated Steel Wire	Copper Coated Steel Wire	Copper Coated Steel Wire
Cord Material	No Cord Material	Twin Glass Cord	Twin Glass Cord	No Cord Material
Applicable Norms	CE, DIN4102B1, NFP92501-M1, DIN5510-2, EN45545-2, EN5660-1, ISO 5659-2	CE	CE, DIN4102B1, NFP92501-M1	CE, DIN4102B1, NFP92501-M1, DIN5510-2, EN45545-2, EN5660-1, ISO 5659-2

DuraUni M2 FRL Rail Optional Product Customisations

Spiral Material	Polyamide (white) for added kink and crush resistance, Stainless Steel, Carbon Fibre, Custom pitch.
Insulation Material	Round, Oval, Square insulation material
Exterior Material	Viton for higher temperature resistance and abrasion proof, UV stabilised. Up to 220C
Outer Cover	Anti-abrasion cover
Cuff Type (both ends)	60mm total / 40 Wire free, each side, T, Y and X connection pieces.

* All technical parameters can vary due to raw material, ambient temperature and humidity and are subject to variation.