



DuraUni M2 FRL Rail

www.euroducting.com

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

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| 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

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|------------------------------|---|
| 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.