

DuraUni M9 FRi

Product Description

The DuraUni M9 FRi is a lightweight and insulated, two-ply fire retardant silicone & glass fibre duct, with an additional melamine foam basotec insulating layer and a naturally fire retardant neoprene glass fabric overlayer. The duct is structured with a copper coated steel wire and finished with a glass cord stabiliser. All M9 FRi ducts feature a smooth bore, even when bent. The product is CE certified and is suitable for the Automotive, Ship Building, Military, Aircraft and Aviation, Agricultural, Fume and Exhaust Extraction, Building Equipment, Industrial Vehicles, Turbines, Wind Turbine, Ventilation (HVAC), Railway, Granulate Processing, Printing Automation & General Industrial applications.

Technical Specifications

EuroDucting Product Name	DuraUni M9 FRi
Application Medium	Non-corrosive high temperature gasses
Pressure Resistance Min/Max (bar)	-0.585 bar to +2.5 bar
Duct Inside Diameter Min/Max (mm)	10 mm to 407 mm
Duct Length Min/Max (mm)	100 mm to 40,000 mm (up to 5x when spliced)
Temperature Tolerance Min/Max (°C)	-80°C to +310°C
Crush and Kink Proof	No
Interior Lining Structure	Smooth, concealed spiral
Standard Cuff Type	Straight Cut
Static Properties	Not Antistatic
Magnetic Properties	Not Applicable
Flame Retardant	YES

Comparison Chart

	M9 FRi (this product)	M9 Standard	M9 FR Standard	M9 i
Inner Material	FR Silicone Coated Glass	Silicone Coated Glass	FR Silicone Coated Glass	Silicone Coated Glass
Outer Material	FR Silicone Coated Glass	Silicone Coated Glass	FR Silicone Coated Glass	Silicone Coated Glass
Insulation Material	Melamine Foam Basotec 6mm	No Insulation Material	No Insulation Material	Melamine Foam Basotec 6mm
Overlayer Material	Neoprene Glass Fabric	No Overlayer Material	No Overlayer Material	Neoprene Glass Fabric
Spiral Material	Copper Coated Steel Wire	Copper Coated Steel Wire	Copper Coated Steel Wire	Copper Coated Steel Wire
Cord Material	Twin Glass Cord	Twin Glass Cord	Twin Glass Cord	Twin Glass Cord
Applicable Norms	CE, UL94VO, EN45545-2:2013 + A1:2015, FAR25.853b	CE	CE, UL94VO, EN45545-2:2013 + A1:2015, FAR25.853b	CE

DuraUni M9 FRi Optional Product Customisations

Spiral Material	Polyamide (white) for added kink and crush resistance, Stainless Steel
Interior Lining	Zero leakage, pure silicone liner, Kevlar liner.
Insulation Layer	Glass fiber felt (high temperature applications), PU foam (light insulation)

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