euro ducting

DuraSpiraflex PLS PLFR

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Product Description

The PLS PLFR is a mid temperature range, fire retardant duct, structured with an internal spiral with a pitch of 100-350mm, made of hot galvanised steel wire, sewn onto a heat resistant, soft PVC polyester condura fabric. The duct is finished with a polypropelene belt, sewn together with a polyester thread. This product can be joined with a LayFlat end and Y, T connectors for added functionality. The duct is CE certified and conforms to DIN4102B1, NFP92501-M2 and EN13501-01 standards and is particularly suitable for Military, HVAC, Tent Ventilation, General Ventilation, Ship Building and Turbine applications.

Technical Specifications

EuroDucting Product Name	**DuraSpiraflex PLS PLFR**
Application Medium	Non-corrosive medium temperature gasses
Pressure Resistance Min/Max (bar)	
Duct Inside Diameter Min/Max (mm)	80 mm to 2,000 mm
Duct Length Min/Max (mm)	0.20m to 40m
Temperature Tolerance Min/Max (°C)	-20°C to +100°C
Crush and Kink Proof	Kink proof
Interior Lining Structure	
Standard Cuff Type	50mm / 100mm (Ø >300mm)
Static Properties	Not Antistatic
Magnetic Properties	Not Applicable
Flame Retardant	YES

Comparison Chart

	PLS PLFR (this product)	PLS FR Suction	PLX	PLX FR
Inner Material	No Inner Material	No Inner Material	No Inner Material	No Inner Material
Outer Material	FR PVC Polyester Condura	FR PVC Polyester Condura	Neoprene Polyester (light)	FR Neoprene Polyester (std.)
Scuff Strip Material	Polypropylene Belt	Polypropylene Belt	Polypropylene Belt	Polypropylene Belt
Spiral Material	Hot Galvanised Steel Wire	Hot Galvanised Steel Wire	Hot Galvanised Steel Wire	Hot Galvanised Steel Wire
Thread Material	Polyester Thread	Polyester Thread	Polyester Thread	Polyester Thread
Temperature Tolerance	-20°C to +100°C	-20°C to +100°C	-50°C to +150°C	-50°C to +150°C
Applicable Norms	CE, DIN4102B1, NFP92501-M2, EN13501-01	CE, DIN4102B1, NFP92501-M2, EN13501-01	CE	CE, DIN4102B1, NFP92501-M2, EN13501-01

DuraSpiraflex PLS PLFR Optional Product Customisations

Splitters	Y shaped connectors, T shaped connectors
Connection Options	Velcro, metal rings, hanging loops, ring to zipper connectors (for PLS & PLX connection)
Outer Cover	Portable protective covers for transport protection.
Alternative Pitch	Suction pitch alternative (PLS PL FR Suction) for air extraction purposes. (35-75mm pitch)

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