

## CABLE LADDERS

Composite Engineering cable ladders are the perfect solution for cable management in harsh environments. Composite cable ladders are now considered essential equipment in applications where limited maintenance opportunities and costly down times must be minimised.

Composite Engineering cable ladders give you the load capacity of steel systems, plus the inherent characteristics afforded by our own Pultrusion Technology: non-corrosive, non-conductive and non-magnetic. Although lightweight, their strength-to-weight ratio surpasses that of equivalent products. These products will not rust, rot, warp, or become permanently deflected under load. They are manufactured to meet ASTM E-84 Class 1 Flame Rating, plus meets the self-extinguishing requirements of ASTM D-635.



Composite Engineering cable ladders can be installed with or without lids, in both vertical and horizontal locations. We supply a large number of fittings to suit almost any project, including tees, elbows, 4-way cross junctions, left and right hand reducers, lobster-back bends, etc.

All of our systems are assembled using either nylon or 316 Stainless Steel fixings, and can be manufactured from either standard grade polyester, or chemically resistant vinyl ester resin systems.

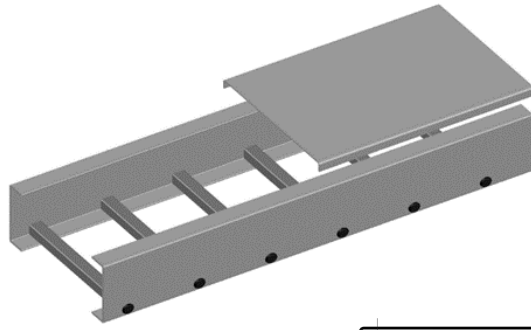
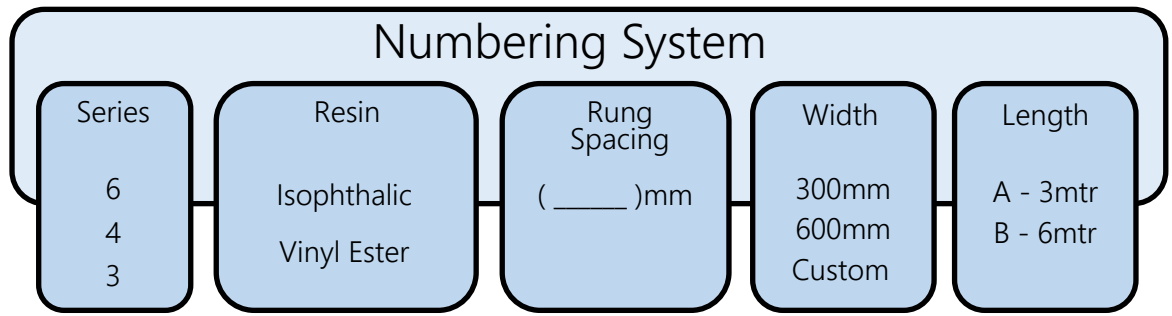
Composite Engineering cable ladders are available in 3 depths - 75mm, 100mm and 150mm. Being fully customisable to meet your specific requirements, our cable ladder system come in standard widths of 300mm and 600mm, with custom options ranging from 100mm to 1200mm wide.

Rung spacing is another element that can be adjusted to your needs, with this ranging from 100mm to 600mm spans. Talk to us today, about your exact requirements.



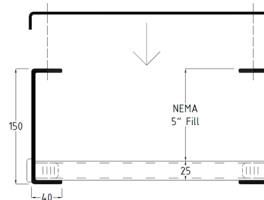
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## Numbering System

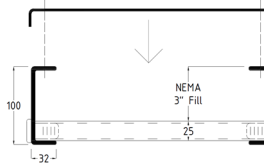


All Composite Engineering cable ladders and associated fittings can be supplied with lids. All lids include fixings rated for cyclonic conditions, but are still simple to remove and refit for easy cable maintenance.

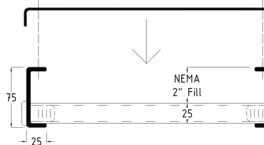
Type 6  
Loading - NEMA 20B



Type 4  
Loading - NEMA 12C



Type 3  
Loading - NEMA 8C



Characteristics	Units	Test Reference
Tensile Strength	220Mpa	ASTM D1037-93
Modulus of Elasticity	21Gpa	ASTM D1037-93
Flexural Strength	280Mpa	ASTM D1037-93
Compressive Strength	145Mpa	ASTM D1037-93
Arc Resistance (LW)	120 Seconds	ASTM D495
Dielectric Strength (LW)	1.58kV/mm	ASTM D149
Sound Transmission Class	30	ASTM E90
Surface Burn (Flame Spread Index)	≤25	ASTM E84