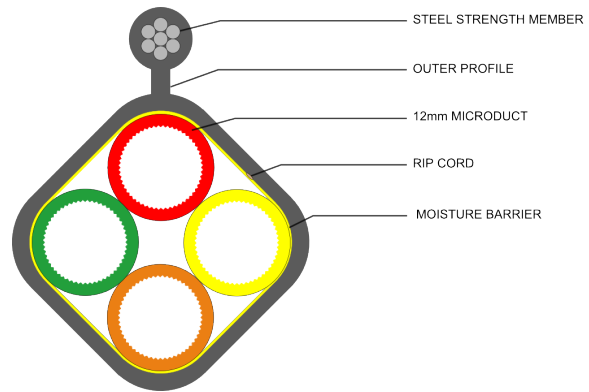


fibreflow Blown Fibre 4-way Figure-8 Overhead (12/10)



PRODUCT DESCRIPTION: A figure-8 overhead assembly, comprising four 12mm m/ds to MHT1375, having low friction performance for fibre/cable blowing. The assembly is surrounded by a metal free moisture barrier. The flexible outer sheath 'figure-8' profile incorporates a stranded steel strength member (s/m), and a defined web section between the s/m and the m/d bundle.

Cable 'width':	32.9mm nominal across corners (is a 'diameter' after separation from web)
Profile 'height':	46.9mm nominal (includes strength member portion)
Diameter of upper part:	9mm nom (to fit cable grips suitable for steel strength member)
Primary m/d outer diam:	12.0mm nominal; fits designated push connectors
Primary m/d inner diam:	10.0mm nominal; carbon-loaded liner; diam measured by plug gauge.
Strength member:	Galvanised steel, 7 strand, diameter 5mm approx
Assembly mass:	401g/m nom (empty) - (561g/m nom fully populated: used in calcs below)
Min Bend radius:	500mm (narrow direction)
Deployment:	To standard procedures, or Emtelle guidance.
Stringing tension:	To local regulations. We suggest up to 4kN (400kg).
Rated Cable load:	10kN (1000kg). ie limit under 'normal' weather
Max design load	13kN (1300kg) ie accounting for all weather effects
Break Load:	Above 16kN (1.6 ton).
Sheath removal:	(after slitting web to separate cable from s/m) Inner: using pre-installed ripcord

Note 1: Diameters and thicknesses are measured to nearest 0.1mm.

Note 2: 'nominal' data is based on middle-spec, and is for information only, not for inspection purposes.

Behaviour predictions in service: (indication only, not guaranteed)

Set-up		Add weather		Resulting condition			comment
Span	String tension (kg)	Wind (mph)	Ice (mm)	Tension (kg)	Sag (m)	Sag (%)	
80m	256	0	0	256	1.258	1.6%	OK, tube bundle empty
		0	0	313	1.437	1.8%	4 x 96F installed, OK
		30	0	405	1.682	2.1%	OK
		60	0	831	2.523	3.2%	OK
		80	0	1200	3.069	3.8%	Approaching design load

*This provisional sheet defines a **proposed** product, that has not been manufactured. We expect to be able to offer this product and that it will exhibit the characteristics listed here. Detail checks may be incomplete at this time, and details may change.*

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