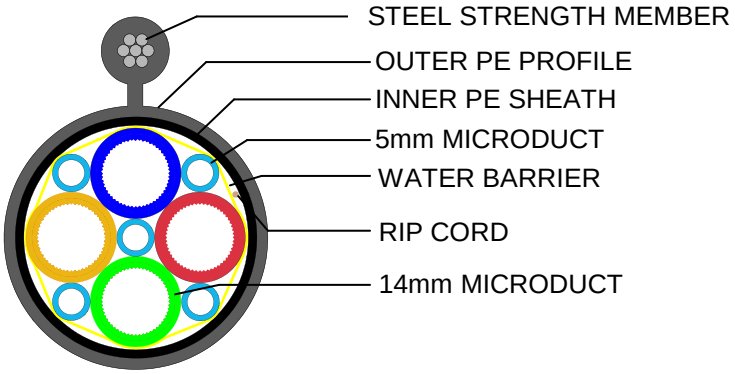
fibreflow **Blown Fibre**

4-way Figure-8 Overhead (12/10)



*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.*

PRODUCT DESCRIPTION: A figure-8 overhead assembly, comprising four 12mm m/ds to MHT1375 and five 5mm m/d's to MHT380, all 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':	34.9mm nominal (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.
Primary m/d outer diam:	5.0mm nominal; fits designated push connectors
Primary m/d inner diam:	3.5mm nominal; carbon-loaded liner; diam measured by plug gauge.
Strength member:	Galvanised steel, 7 strand, diameter 5mm approx
Assembly mass:	610g/m nom (empty) - (803g/m nom fully populated: used in calcs below)
Min Bend radius:	600mm (narrow direction)
Deployment:	To standard procedures, or Emtelle guidance. We suggest span should not exceed 50m
Stringing tension:	To local regulations. We suggest around 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) Outer: using sheath removal tools and pre-installed ripcord. Inner: using pre-installed ripcord S/m sheath: using tools or 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 (%)**	
50m	**400**	0	0	408	0.616	1.2%	OK
		60	0	729	1.2	2.4%	OK
		0	10	739	1.21	2.41%	OK
		60	10	989	1.51	3.01%	OK
		80	10	1285	1.8	3.59%	*Tension limit reached