

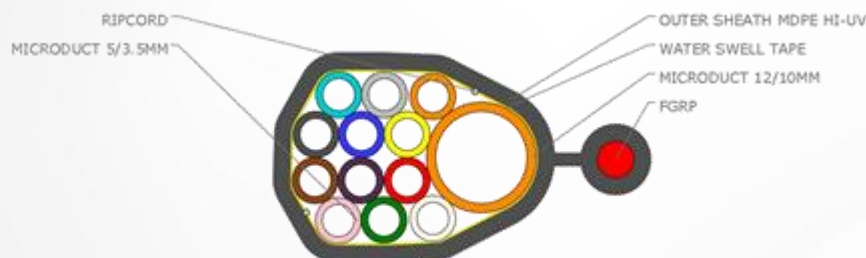
## Cable Proposal CP1202

Issue D 10<sup>th</sup> Dec 2019



### Blown Fibre

### Figure-8 Overhead 12-way Combo (5/3.5)



*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. Minimum order quantities and lead times to be finalised.*

### Product Description

Twelve 5mm microducts (m/d) to specification MHT380 and one 12mm microduct to specification MHT2100, all with low friction performance for fibre unit/mini cable blowing. The m/d's are surrounded by a metal free tape then a flexible outer sheath 'figure-8' profile incorporating a GRP strength member, and a defined web section between the GRP and the m/d part.

Cable 'width':	24.6mm nominal (is a diameter after separation from web)
Profile 'height':	40.8mm nominal (includes strength member portion)
Primary m/d outer diam:	5.0mm nominal; fits designated push connectors
Primary m/d inner diam:	3.5mm nom; measured by plug gauge
Primary m/d outer diam:	12.0mm nominal; fits designated push connectors
Primary m/d inner diam:	10.0mm nom; measured by plug gauge
Strength member:	GRP rod 4mm diameter
Assembly mass:	345g/m nom
Min Bend radius:	440mm (not every direction)
Deployment:	To standard procedures, or Emtelle guidance.
Max Span (pole-pole):	see weather data (
Stringing tension:	To local regulations. Recommend not exceed 1.4kN (140kg)
Initial Sag in centre:	Approx 0.76m for tension 140kg (N)
Break Load:	14kN (1400kg) approx
Sheath removal:	(after slitting web to separate cable from s/m)
	Sheath: using pipe cutter (radial) and ripcord (longitudinal)
Weather Data:	Page 2.

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## Weather Data

Reaction to Weather										
Installation			Add Weather				Result			
Span (m)	Stringing	Stringing Temperature	Ice (mm)	Wind (mph)	Temperature (°C)		Tension (kg)	Sag (m)	Sag (%)	Elongation (%)
50	143	10	0	0	10		143	0.761	1.5	0.23
			0	60	10		371	1.989	4.0	0.36
			5	60	-15		443	2.205	4.4	0.47
			10	0	-15		348	1.866	3.7	0.32

Installation			Add Weather				Result			
Span (m)	Stringing	Stringing Temperature	Ice (mm)	Wind (mph)	Temperature (°C)		Tension (kg)	Sag (m)	Sag (%)	Elongation (%)
60	184	10	0	0	10		184	0.852	1.4	0.29
			0	60	10		433	2.456	4.1	0.40
			5	60	-15		514	2.741	4.6	0.52
			10	0	-15		407	2.298	3.8	0.36

*Note 1: Elongation % shown in above table is shown as after stringing and represents the % strain that the fibre product could be exposed to.*

*Note 2: Diameters and thicknesses are measured to nearest 0.1mm.*

*Note 3: 'nominal' data is based on middle-spec, and is for information only, not for inspection purposes.*

*Note 4: Maximum grip loads vary depending on design- It is the customers sole responsibility for the selection of appropriate grips for their network.*

*Note 5: Stringing conditions of: 10°C temperature, no wind, no ice, empty tube bundle.*

*Note 6: Weather data is based on empty tube bundle.*

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