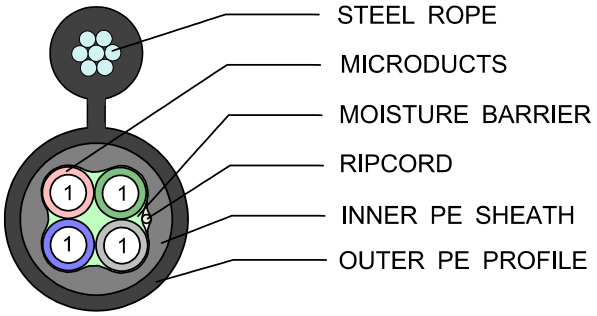
Blown Fibre – 4 Way Figure-8 Overhead (5/3.5mm)



PRODUCT DESCRIPTION: Assembly of 4 microducts (m/d) to specification MHT 380, each with low friction performance for fibre blowing. The assembly is surrounded by a moisture barrier under a flexible polymer inner sheath. The flexible outer sheath 'figure-8' profile incorporates a steel strength member, and a defined web section between the steel and the tube bundle. Once separated from the strength member, the cable is metal-free.

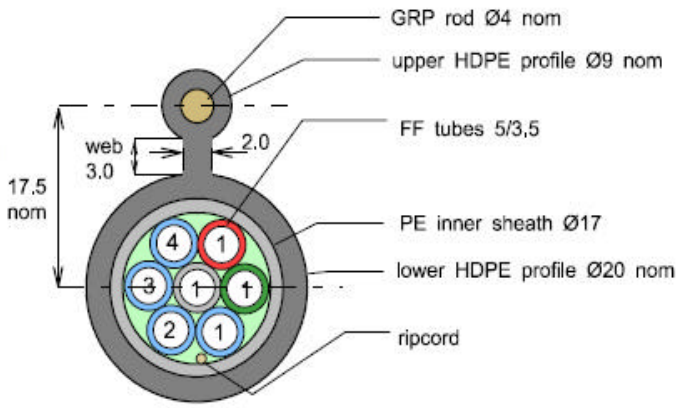
Cable 'width':	17.5mm nominal (is a diameter after separation from web)
Profile 'height':	30mm nominal (includes strength member portion)
Primary tube outer diam:	5.0mm nom; fits designated push connectors
Primary tube inner diam:	3.5mm nom; measured by plug gauge
Strength member:	7 strands of 1.6mm galvanized steel (twisted) to BS 183
Assembly mass:	313g/m nom
Min Bend radius:	250mm ('narrow' direction)
Deployment:	To standard procedures.
Stringing tension:	To local regulations. Recommend not exceed 2kN
Rated Cable load:	10kN (1000kg)
Break Load:	Above 16kN (1.6 ton)
Web Slitting:	Use web-slitting tool.
Sheath removal:	(after slitting web to separate cable from s/m) Outer: using pipe cutter (radial) and ripcord (longitudinal) 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.

Figure – 8 Overhead (metal-free)

DESIGNATION: 7-way Figure-8 Overhead (5/3.5) metal-free

DATE: 28/02/08



DESCRIPTION:

A completely metal-free assembly, comprising 7 tubes as specification MHT 380, each with low friction performance for fibre blowing. The assembly is surrounded by moisture barrier material under an inner PE sheath. The flexible outer sheath 'figure-8' profile incorporates a non-metallic strength member, and defined web section between the sm and the tube bundle.

7-way Figure-8 Overhead (5/3.5) metal-free

PRODUCT DETAILS:

Cable 'width':	20.0mm nom, 21.0mm max (is diameter after separation from web)
Profile 'height':	32.0mm nom, 33.0mm max (includes strength member portion)
Primary tube outer diam:	5.0 ± 0.1mm; fits designated push connectors
Primary tube inner diam:	3.5 ± 01.mm; measured by plug gauge
Strength member:	Glass reinforced plastic rod, 4mm diameter
Assembly mass:	320g/m nom
Min Bend Rad:	350mm (narrow direction)
Deployment:	To standard procedures. We recommend <50m spans*
Stringing tension	To local regulations. Recommend not exceed 1.2kN (120kg)
Rated cable load:	10kN (1000kg) Cable grips may lose grip at lower than 6kN
Break load:	Above 18kN (1.8 ton) achieving this tension is very unlikely
Sheath removal:	(after slitting web to separate cable form s/m) Outer: using pipe cutter (radial) and ripcord (longitudinal) Inner: using pre-installed ripcords

Note 1: Diameter 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

*Due to the requirement to use polymeric (not metal) grips on this style of strength member, it has been shown that the ultimate tension available is lower than with the equivalent Figure-8 cable with steel s/m. Above tensions around 500kg (5kN) (e.g. caused by high wind speeds) the grip on the cable shows signs of movement, thus reducing the tension in that span. If spans above 50m are necessary, we recommend the steel s/m version, which does not slip at these tension levels.