

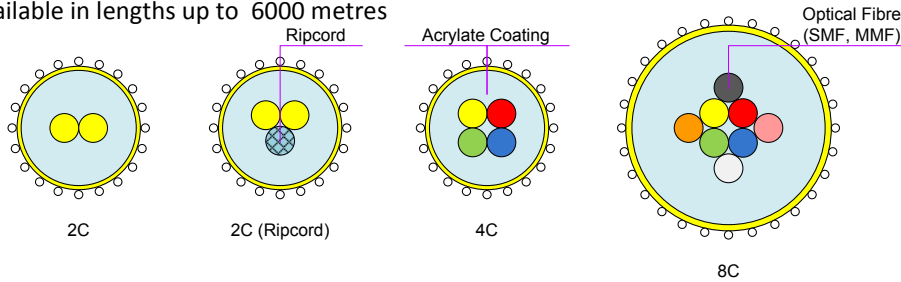
Fibre Optic Cable

Air Blown Fibre Cable

ABFCASRT

Air Blown Fibre

- The fibre is contained in a soft inner acrylate layer which cushions the fibre
- An outer harder layer protects the fibre from damage with a low friction beaded layer
- It assists in improving blowing distance which is typically in excess of 1000m in a single direction
- It is available in lengths up to 6000 metres



	2 Fibre	4 Fibre	8 Fibre	12 Fibre
Diameter	1.0mm	1.0mm	1.4mm	1.3mm
Weight	0.8g/m	0.8g/m	1.5g/m	1.55g/m
Fibre Colours	blue, orange	blue, orange, green, red	Blue, orange, green, Red, Violet, grey, yellow, brown	Blue, orange, green, red, violet, grey, yellow, brown, black, white, pink, turquoise
Product Code	TBF2C	TBF4C	TBF8C	TBF12C

Cable Specification

Mechanical	International standard	Test conditions	Performance
Condensation test	IEC 60794-1-2-E11	40 mm (2&4f,) 60mm (8f) at 60°C for 1000 hrs.	Pass. Maximum fibres strain = 0.4% Residual fibre strain = 0.05%. note 1, note 2
Crush	IEC 60794-1-2-E3	100N for 60 seconds	Pass. note 1, note 2
Bend	IEC 60794-1-2-E11	40 mm (2&4f,) 60mm(8f)	Pass. note 1, note 2
Aged bend	BT CW 1500 pt. 4	40 mm (2&4f,) 60mm (8f) at 60°C for 1000 hrs. 13.9	Pass. note 1
Environmental			
Temperature	IEC 60794-1-2-F1	-10°C to +60°C for 3 cycles	Pass. note 3, note 4
Cold test	BS EN 60068-2-1	-20°C for 96 hours	Pass. note 3, note 4
Condensation test	IEC 60068-2-38	-10°C to + 65°C at 93%RH for 24 hrs. x10	Pass. note 3, note 4
Water immersion	BT CW 1500 pt. 4	20°C ± 5°C for 2000 hours	Pass. note 3, note 4
Fibre breakout form unit	BT CW 1500 pt. 4	0°C, 20°C, 40°C, length 2m	Under 3 minutes(2 & 4f) Under 5 minutes(8f)

Note 1. No significant damage

Note 2. No change in attenuation after test

Note 3. Pass for single mode = ± 0.07 dB/km at 1310 nm and 1550 nm

Note 3. Pass for multimode = ± 0.25dB/km at 850 nm and 1300 nm

	Wavelength	Single mode (G.652b)	Low water peak (magnilight G.652b)	MM 62.5/125	MM 50/125	OM3	OM3E
Maximum attenuation (dB/km)	850nm	-	-	3.5	2.6 (2f-3.2)	2.6 (2f-3.2)	2.6 (2f-3.2)
	1300/1310nm	0.38	0.38	1.0	0.8 (2f-1.2) 48.8	0.8 (2f-1.2) 45.7	0.8 (2f-1.2) 42.7
	1383nm	-	0.35	-	-	-	-
	1550nm	0.26	0.23	-	-	-	-
Bandwidth (Mhz.km)	850nm minimum modal	-	-	200	500	1500	3500
	850nm effective modal	-	-	-	-	2000	4700
	1300/1310nm	-	-	600	800	500	500

Fibre Optic Cable

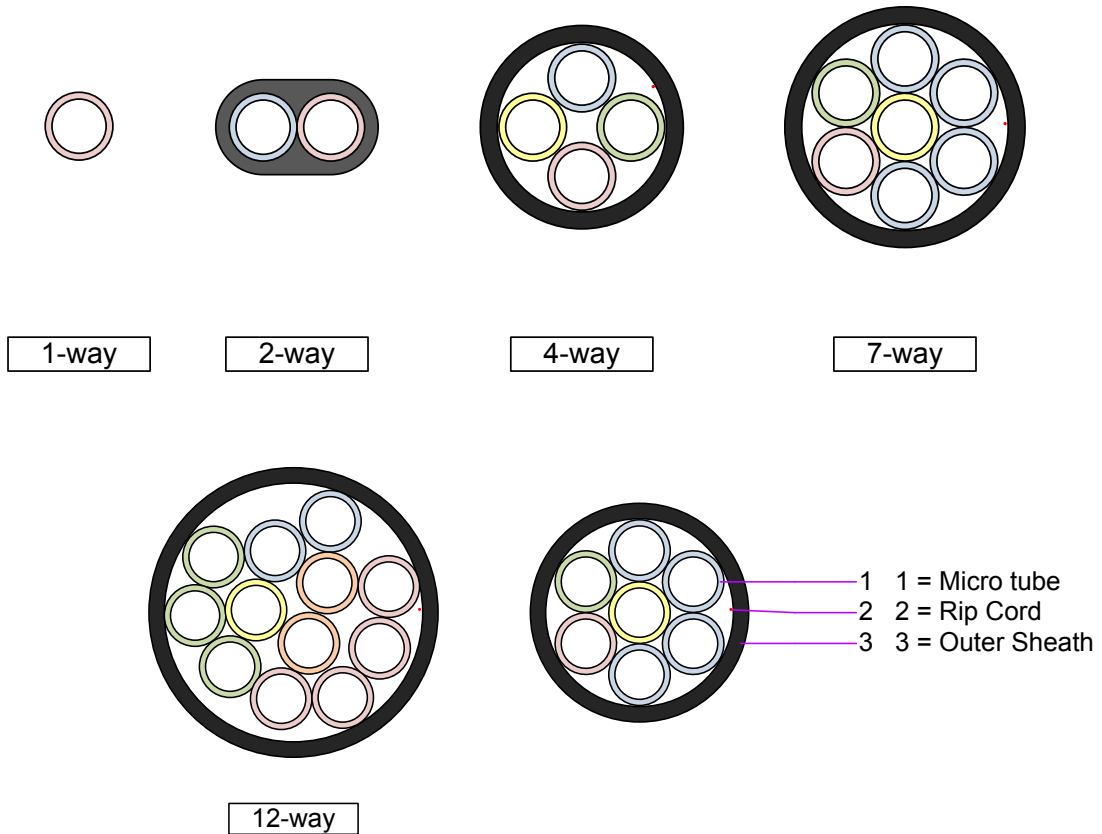
Air blown Fibre ducting

ABFDUCT

Air Blown Fibre

- Rapid dedicated customer connections using mechanical protection of HDPE
- Low friction internal coating for maximum fibre blowing distance
- Each tube accommodates one fibre until (up to 12 fibres in unit)
- Can be composed flexible tube routing

We have a variety of ducting available, please contact us to discuss your requirements.



Product Code	Way	Type	Outer DIA.(mm)	Band	Tensile	Crush	Packing
TBFD1	1-way		12.8	192	1.1	2	
TBFD2	2-way	Water barrier swellable tape	12.8x17.8	192x266	1.6	2	2000
TBFD4	4-way		19.9	298	2.3	2	
TBFD7	7-way		22.8	242	2.9	2	
TBFD12	12-way		28.1	422	4.0	2	
TBFD19	19-way	5m/3.5m	32.8	492	5.2	2	
TBF24	24-way		37.9	568	6.5	2	

Minimum order quantity for ducting is 2,000m