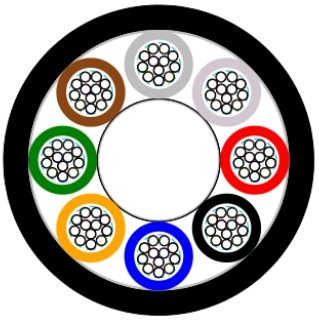
MINI MICRO BLOWN FIBRE 1.4 OPTIC CABLE

Applications

- Micro duct
- FTTx and Access



Construction

GRP/FRP	Glass reinforced plastic central strength, PE over sheathed in certain cases
Loose tube	PBT(polybutylene terephthalate) filled with thixotropic gel.
Fibers	12 color coated fibers per tube
Water blocking	Core wrapping and overall
Ripcord	Water blocked
Sheathing	High density Polyethylene (Black is the standard colour)

Mechanical properties

Fibre count	Number of elements	Cable diameter nominal (mm)	Cable weight (kg/ km)	Maximum installation load (N)	Bending radius		Suitable micro duct size
					Long term	Short term	
Up to 72	6	5.4	28	400	20 x OD	12 x OD	10/8
96	8	6.3	38	600	20 x OD	12 x OD	10/8
144	12	8.0	60	600	20 x OD	12 x OD	12/10

Fibre and tube colours (TIA/EIA)

1	Blue	2	Orange	3	Green	4	Brown	5	Grey	6	White
7	Red	8	Black	9	Yellow	10	Violet	11	Pink	12	Turquoise

Ordering information

Fibre count	Cable type	Fibre type ITU-T	Drum quantity(m)	Customer
24	Micro blown Cable (BLC 1.4)	G.657.A1 ULTRA 200	4000	CBI

Optical properties		
Characteristics		**ITU-T.657A1 Ultra 200**
Modefield diameter (µm)	1310nm	9.2 ± 0.4
	1550nm	10.4 ± 0.5
Cabled Attenuation (dB/km)	1310nm	± 0.34
	1550nm	± 0.20
Polarization Mode Dispersion (ps/√km)	Link (PMDQ)	≤ 0.04
	Individual PMDmax)	≤ 0.1
Chromatic dispersion (ps/nm.km)	1285-1330nm	|3|
	1550nm	≤ 18
	1625nm	≤ 22
Macro-bend loss	1550nm	Ø10mm, 1turn, ≤ 0.5dB
		Ø15mm, 10turns, ≤ 0.05dB
		Ø25mm, 100turns, ≤ 0.01dB
	1625nm	Ø10mm, 1turn, ≤ 1.5dB
		Ø15mm, 10turns, ≤ 0.3dB
		Ø25mm, 100turns, ≤ 0.01dB
Cladding diameter (µm)		125 ± 0.7
Coating diameter ((µm)		200 ± 1
Cladding non circularity (%)		≤ 1
Core-Clad concentricity (µm)		≤ 0.6
Cable cut-off wavelength (nm)		≤ 1260
Local variations: cabled (dB)		≤ 0.1@1550nm