entanet
a CityFibre company

ENTANET DARK FIBRE

Entanet Dark Fibre connects two sites within a city where you provide your own active equipment.

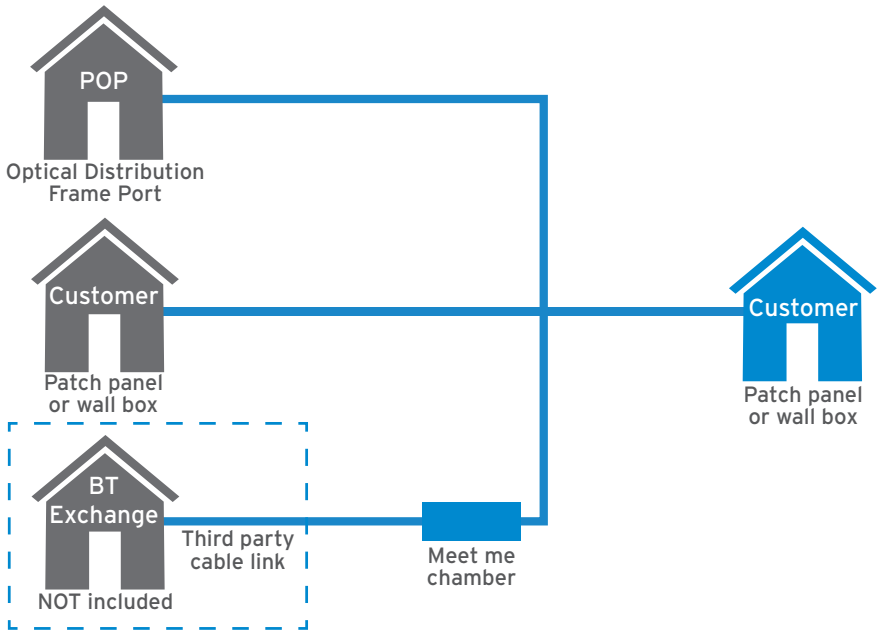
Dark fibre is a pair of glass strands through which you shine light but unlike copper, it is not affected by floods, nor is its route dictated by exchange locations.

We're committed to using our commercial flexibility to ensure the very best Dark Fibre market prices wherever possible. We also enable you to consume 'local access' equivalent Dark Fibre connections without the expense of unbundling exchanges.

We provide full visibility of routing before you order, as well as light loss estimates at the planning stage and all the testing and handover information you'd expect from an established Dark Fibre provider.

Delivery is to a 1U LC/APC patch panel, with the option of a wall mounted termination point as an alternative.

G657.A1 fibre type is used for new deployments*, with increased flexibility for installation in tight corners of buildings.



KEY FEATURES

- Growing availability in UK cities
- Delivery typically in 65 working days
- Comprehensive 100% SLA
- 6 business hour return to service guarantee
- 24/7 UK support
- Can run up to 40Km in length

WHAT ABOUT FIBRE TAX?

Fibre Tax refers to the non-domestic business rates applicable to the use of services delivered over fibre. It recognises fibre infrastructure as commercial property, through which data traffic flows.

Fibre Tax is defined by the Government's Valuations Office Agency (VOA) or the Scottish Assessors Association (SAA) – who produce the tax assessment for their respective geographies – and billed by local authorities in the same way as business rates for commercial property such as shops, offices etc.

Entanet's Dark Fibre has a flat rateable value of £100 per annum per single fibre or fibre pair - irrespective of distance - until the next revaluation in April 2022.

We issue invoices separately from rental so the process is completely transparent.

G657.A1 FIBRE SPECIFICATION

Fibre attributes

Attribute	Detail	Value
Mode field diameter	Wavelength Range of normal values Tolerance	1310 nm 8.6-9.2 µm ±0.4 µm
Cladding diameter	Nominal Tolerance	125.0 µm ±0.7 µm
Core concentricity error	Maximum	0.5 µm
Cladding non-circularity	Maximum	1.0%
Macrobend loss	Radius Number of turns Maximum at 1625nm	15 mm 10 1.0 dB
	Radius Number of turns Maximum at 1625nm	10 mm 1 1.5dB
Proof stress	Minumum	0.69 GPa
Chromatic dispersion coefficient	λ0min λ0max S0max	1300 nm 1324 nm 0.092 ps/(nm^2 x km)

Cable attributes

Attribute	Detail	Value
Mode field coefficient	Max from 1310 nm to 1625 nm Max at 1383 nm ±3 nm Max at 1530 - 1565 nm	0.4dB/km 0.4 dB/km 0.3 dB/km
PMD Coefficient	M Q Maximum PMDQ	20 cables 0.01% 0.20 ps/ √km

*There is still G.652 fibre in some locations - we cannot predict or agree which will be provided. There is no option to specify fibre types at the point of order, as we use whatever is deployed within the network for any given route. Single fibre working is available on request.