Fact sheet:

Resilience Option 2

Resilience ensures that two fibre routes between service end points are kept as diverse from each other as possible. Resilience Option 2 (RO2) comes with two service boxes, each with a single diversely routed path from different building entry points. In the event of a failure on the primary path, traffic must be switched manually to the secondary one.

Product benefits

Resilience is designed to minimise risks should optical failure, fibre break / derogation or ‘matters beyond our reasonable control’ occur.

Peace of mind for your customers
Enables you to offer a higher degree of network certainty for critical customer applications.

Protection from unforeseen incidents
No single cable, equipment or nodal failure in the BT network will prevent the use of one of the two resilient circuits.

Single supplier
Using a single supplier like Openreach for both your main and resilient circuits saves valuable time and frustration.

Right first time
Ensure the right solution first time by using our planners to scope the degree of diversity achievable, case by case.

Flexible use
Wide availability across different circuits provides resilient options in almost every scenario.

Engineering expertise
Over 21,000+ installation and repair engineers offering added assurance.

Product features:

- Two diversely routed circuits between either:
  - Common ‘A’ end & ‘B’ end termination points
  - Common ‘A’ end & two different ‘B’ end points
  - Two different ‘A’ end & two different ‘B’ end points.

- Separate NTE at each end of each circuit

- Traffic is switched manually to the standby route

- Available for: BES, WES, WEES and ONBS bandwidths, Broadcast Access, EAD, EBD, OSA and OSEA

- Can be applied to Ethernet circuits of the same product type or on a cross-product basis

- Primary & secondary paths can be different bandwidths

- Diversity maintained by Openreach’s network monitoring

- Diverse routes for parallel circuits avoid common ducts and cables wherever possible.
How it works

The diagram above shows a typical Resilience Option 2 (RO2) configuration.

Configuration (a) or (b) optional
Configuration (b) most common
Configuration (c) when between different A & B ends

Note: There is no assurance against duct failure on the two circuits.