Resilience ensures that two fibre routes between service end points are kept as diverse from each other as possible. With Resilience Option 1 (RO1) we provide and activate a secondary, diversely routed path from the same building entry point. If the primary path goes down, the secondary path is automatically activated within 50 milliseconds.

Product benefits:

- **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.
- **Proactive management**: Fast, automatic switchover should one circuit fail, means you can rest easy.
- **Engineering expertise**: Over 21,000+ installation and repair engineers offering added assurance.

How it works:

The diagram above shows a typical Resilience Option 1 (RO1) configuration.
Product features:

- A single circuit with 2 diversely routed fibre paths between same ‘A’ and ‘B’ end termination points
- Single NTE at each end
- ‘Hot standby’ electronics control a 50 millisecond automatic switchover on loss of primary route
- Can be applied to Ethernet circuits of the same product type covering: WES 100Mbit/s, WES 1000Mbit/s, ONBS 100Mbit/s, EAD, OSA & OSEA (certain variants), WES Aggregation (remote handover link)
- Single port for connectivity to the service
- Secondary path becomes accessible only if primary fails
- Diversity maintained by Openreach’s network monitoring
- Diverse routes for parallel circuits avoid common ducts and cables wherever possible.
- Included as standard for BTL