

The background of the image features several fiber optic cables in blue, yellow, orange, and teal, looping across the upper half. In the foreground, there are two stainless steel fiber optic connectors. One connector is larger and has a threaded section, while the other is smaller and simpler. A teal triangle is positioned on the left side, partially overlapping the 'alker' text.

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Case Study:



BT (formerly British Telecom) is a multinational telecommunications company with operations in around 180 countries and is the largest provider of fixed-line, broadband and mobile services in the United Kingdom.

Problem

BT's satellite support department were working on a contract in Italy. Italian contractors had installed incorrect ducting pipe for the installation of the cable. Their original requirement was for trunking with a 100mm diameter, the ducting actually installed was only 36mm internal diameter.

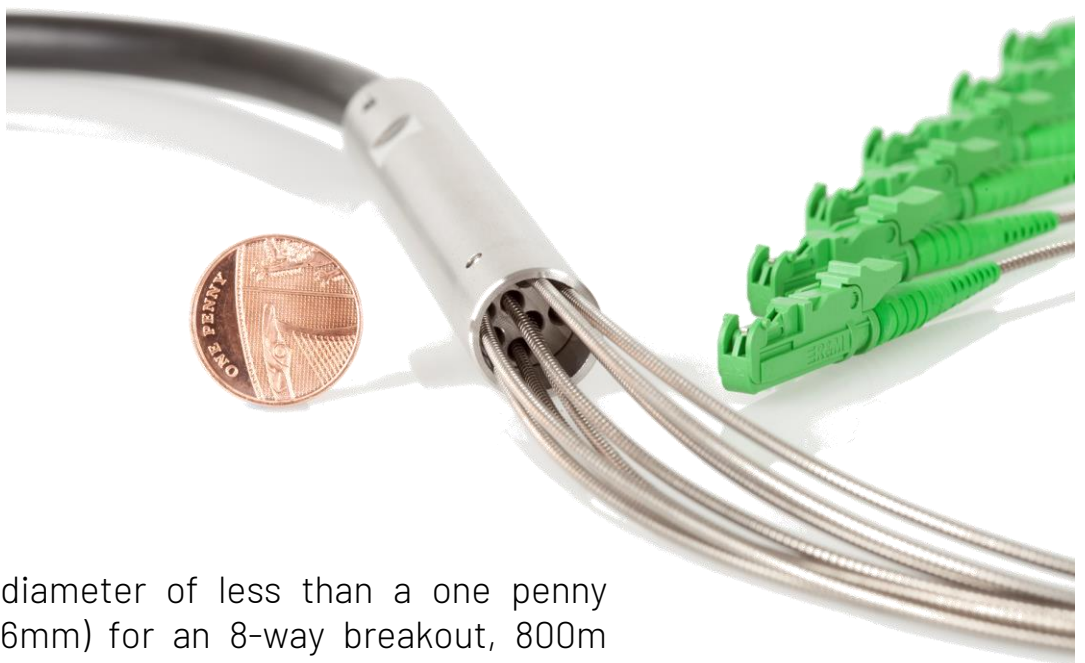
Therefore, BT contacted Alker requiring a solution to reduce the diameter of the breakout to complete the installation over an 800m length. A fast turnaround required.

Solution

Alker designed and manufactured a miniaturised breakout solution which attached to the fibre optic multicore armoured cable and met the diameter dimensions of the cable.

Produced fibre optic tails with stainless steel flexible pipe 1.5mm diameter for protection.

To complete the assembly we adapted E2000/APC connectors then terminated to the 1.5mm stainless steel armouring.



Features

- ▶ Overall diameter of less than a one penny piece (16mm) for an 8-way breakout, 800m assembly

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