



# 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 100 mm diameter, the ducting actually installed was only 36 mm internal diameter.

Therefore, BT contacted Alker requiring a solution to reduce the diameter of the breakout to complete the installation over an 800 m 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 15 mm diameter for protection.

To complete the assembly we adapted E 2000 /APC connectors then terminated to the 15 mm stainless steel armouring.

## Features

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

