

Planning Policy Briefing

openreach

Audience: Partners
Category: FoD & FTTP

FTTP DiG Estates - Duct 56 Solution New Policy

Introduction

With the increased speed of delivery of the FTTP national rollout, openreach are providing FTTP to an increased amount of Direct in Ground (DiG) housing estate's where no existing duct infrastructure exists. Where we encounter these locations an overhead (OH) solution must always be investigated before we proceed with an underground solution. If after consultation with all key stakeholders an OH solution has been rejected, then Openreach will decide which underground solution is the correct one for the area to be delivered.

We have now introduced a new Duct 56 design for DiG estates that must be followed when we deploy this solution.

The New Policy

The policy team have produced a new policy guide which provides the policy rules with diagrams to support understanding and compliance of the policy.

The guide is embedded below:



FTTP_DiG_D56_Guide
_V1.0.pdf

Planning Rules

A summary of the planning rules is shown below but these must be used in conjunction with the new guide.

- The maximum allowable distance from the furthest toby box/marker to the CBT Box is 100 metres to allow use of 6mm/4.5mm Cobra at the L2C stage to provide the lead-in cable.
- The 100 metres distance between the toby box/marker to the CBT can be exceeded up to a maximum of 150 metres including the customer lead-in distance from the toby box to the premises. However, an intermediate box must be positioned to ensure any rodding from the toby box/marker to the CBT box does not exceed 100 metres.

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- A maximum of 12 56/56 tees can be installed onto a spine or rider duct within either the 100 metre or 150 metre designs as per the previous bullet above.
- Pre-roping of the duct route between the toby box/marker and the owning CBT box should not be provided as part of the P&B task. This will avoid ropes becoming tangled and potentially damaging any installed cables later.
- Toby boxes must be positioned in a location at the customer curtilage to enable a simple L2C task as per the guidance in [EPT/UGP/B101 - FTTP D.i.G Estates, Civils & Cabling](#).
- Pre-roping of the spine duct must be provided between the boxes at duct installation.
- All existing duct and boxes must be used whenever possible within the box and duct capacity limits.
- A road crossing must be duct 54 with box either side if required for turning.
- A road crossing can be duct 56 to serve a maximum of two toby boxes/markers where no turning of the duct 56 is needed. A road crossing footway box will not need to be provided on the premises side of the road.
- Where a single lateral duct is used for provision to two properties via a toby box, a medium toby box must be installed.
- Boxes hosting CBTs should be positioned to capture the maximum number of premises and avoid sterilisation of ports at a CBT.
- Boxes should be installed to the box capacity specifications as shown in this document and NWK/LNK/C573 - TM Node Jointbox Capacity.

Further Guidance

The network policy document [NWK/LNK/C566 - FTTP - Brownfield - DiG Solution for SDUs & MDUs - Policy](#) is being updated with this new guidance and will be available shortly.

For advice and support please contact:

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