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For BT People

AEI/AEC/B270

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Technical Clarification - Installation of Intermediate 36 Fibre Clamp

Installation method for 36 Fibre Intermediate Clamps.

About this document ...

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Content approval

This is the Issue 2 of this document.
The information contained in this document was approved on 26-Oct-2020 by Glen Barford, Overhead Network Policy and Standards Specialist

Version History

Version No.	Date	Author	Comments
Issue 2	26-Oct-2020	Wesley Grantham	Author/Approver details updated
Issue 1	31-Dec-2019	Chief Engineer Documentation team	No content change – review date extended
Issue 1	20-Dec-2015	Chief Engineer Documentation team	Issue of AEC (DC)

Table of Content

1 *Executive Summary:*

This AEC has been issued to clarify the installation method for the recently introduced 36 Fibre Intermediate Clamps.

2 *Status:*

- Working Practice
- Quality Standard

3 *Scope:*

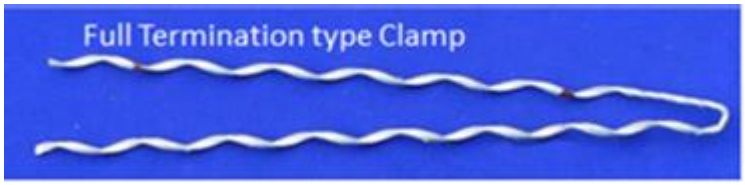
- All of those involved in the Planning and Construction of BDUK, Overhead Fibre Routes

4 *Detail:*

A previous communication (AEI/AEC/B258) launched the new Intermediate Clamp (Item 084076) and provided detailed information on its usage and installation.

Since its launch, the new Clamp has been well received, but one issue raised is that on occasions, the Clamp may fail to totally lock the Cable off. This is being investigated, but initial indications are that the differing density of the two 36 Fibre Cable variants (Prysmian and OFS) may be a factor. The Prysmian version has a much harder sheathing than OFS, which can make it more difficult for the teeth of the clamp to bite.

A solution to this problem is as follows: - Where slipping is encountered when the two Wedges have been pushed home by hand (using thumbs), use a 1lb hammer to gently tap the Wedges further in, to fully secure the cable.



When erecting any route, it is also recommended that Full termination type clamps (item 066606) are installed on every fourth pole along (or less at Engineers discretion) from the last full termination point. This assumes that a full termination requirement doesn't occur naturally i.e. due to Road Crossings / Deviations in route.

5 *Training:*

Training has been considered and is not required.

6 *Quality Standards:*

Considered and no changes required.

7 *Accreditation:*

Considered and not required.

8 *Quality Checks and Independent Audit:*

Considered and no changes required.

9 *Planning Policy:*

N/A

10 *Contract Impact:*

- **Mandatory**

11 *Reference Documentation:*

11.1 ISIS:

EPT/ANS/A014 – Section 4.1.7 refers.

11.2 Manufacturer's Instructions:

Considered and no changes are required.

11.3 E- Assistant:

Considered and no changes are required.

11.4 Quality:

Considered and no changes are required

11.5 Accreditation Documents:

Considered and no changes are required

11.6 FPQ:

Considered and no changes are required

11.7 Supply Chain:

N/A

11.8 Communications:

- The Loop
- Briefings / Presentation(s)

END OF DOCUMENT