



DOCUMENT CHANGE REQUEST

DCR number	1178	Changes required for:	General	Originator:	Stephan Hernandez
Date:	2018/10/22	Date sent:	2018/10/18	Organisation:	ESTEC
Status:	IMPLEMENTED				

Title:	OPTICAL FIBRE CABLE ASSEMBLIES WITH SINGLE FIBRE FERRULES BASED ON TYPE MINI-				
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Number:	3420/001	Issue:	1
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Other documents affected:

Page:

several

Paragraph:

several

Original wording:

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Proposed wording:

1) Various editorial changes including:

- addition of various paragraph cross-references.
- correction of hyperlinks for referenced ESCC specs.
- additions and changes to various titles, remarks and notes.
- consistent use of the applicable Variant numbers and characteristic codes & types.
- Various other minor editorial changes.

2) Para. 1.4.1: Example details of the component number for an optical fibre cable assembly is amended resulting in a minor change to the component number (see attached for details):

3) Para. 1.4.1.1 (& throughout as applicable) Characteristic codes. Diamond propose several changes to the specified codes including:

- In (b): cable type: addition of new cable type "C". Remark against type 'S' is removed.
- In (c): connector B type: "Mini-AVIM" changed to be "Mini AVIM". Remark is amended.
- In (c): connector B type: "Mini-AVIM Cable (code Mc)" changed to be "Midi AVIM (code D)". Remark is amended.



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- In (d): connector B type: 'DMI (D)' changed to be 'Micro AVIM (U)'
- In (e): polishing codes: '0F' & '8F' changed to be 'F' & 'A' respectively
- In (d), connector B type/code: 'Mini-AVIM (M)' & 'Midi-AVIM (D)' are reinstated (they were removed from issue 1 in error).
- New (g) for Cable type code S length is added.

4) Para 1.4.2 (& throughout as applicable):

Table is amended to delete Variants 04 & 05 (interface modules).

New Variants 04, 05, 06 (for cable assembly types) are added.

The table is amended to detail the range of piece parts/characteristics that are available for each Variant (i.e. various columns and notes are added).

5) Para 1.5: Operating & Storage Temperature range ratings are clarified & amended to include details for all variants.

6) Specific technical corrections advised by Diamond for various characteristics:

- Para 1.4.2 (& throughout as applicable): Variant 02 details amended (i.e. "M to D" added)
- Para 1.5, wavelength rating for fibre type 02
- Para 1.5, torque limit
- Para 1.7.8.1 & 1.7.8.2, symbol 'F' limit
- Para 1.7.9.1 & 1.7.9.2, symbols A, D limits
- Para 2.3.2(a), IL & PER limit
- Para 2.3.2(b), IL limit
- Para 2.4 RL deleted
- Para 2.5 RL deleted from Temperature Cycling

7) Para 1.7.1:



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Dimension M plus remark is amended.

New Note 4 is added to detail specific length limitations for some cable assembly configurations.

8) Para 1.7.6 & New Para 1.7.4.2: Add different drawings and dimension limits for the "Midi AVIM" connector.

9) Para 1.7.10: Change drawing and add dimensions for new cable type C

10) Para 1.8(b): Add new cable type C details

11) Para. 2.1.1.1, Add new deviation to clarify which Screening tests are applicable to mating adaptors (Variants 02, 03)

12) New Para 2.1.1.2, Add new deviation on Random Vibration test conditions at Diamond's request.

13) Appendix A, deviation of Para 1.4.1.1(d). Amend deviation details to clarify requirements.

Justification:

Attachments:

dcr_attachment_for_escc_3420001_draft_2d.docx

Modifications:

N/A

Approval signature:

Date signed:

2018-10-22