

## Certificate of Product Approval

Certificate Number: 217i

Issue: 01

### CAVICEL SpA

Via Caduti del Lavoro 18/A  
20096 Pioltello  
Milan  
Italy



is authorised to use the LPCB mark in association with the product(s) listed in this certificate and appendix having complied with the requirements of the standard(s) detailed below:

#### Product(s)

Cable Types as listed below:  
OPTICEL FR  
See Certificate Appendix for details

#### Standard(s) (see Appendix for details)

IEC 60331-25:1999  
EN 61034-2:2005+A1:2013  
EN 60754-1:2014

This Certificate is maintained and held in force through regular surveillance activities and subject to the corresponding ISO 9001 Certificate being maintained.

Signed for LPCB

Karen Coull  
Certification Scheme Manager

25 September 2017  
Date of Issue

25 September 2017  
Date of First issue



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## Appendix to Certificate No: 217i CAVICEL SpA

Issue: 01

Product name					LPCB Ref. No.
OPTICEL FR					217i/01
No Of Fibre Optic	No. Of Tubes	Type Of Fibre	IEC 60331-25	EN 61034-2	EN 60754-1
48 FO <sup>(1)</sup>	1-4	SM - MM	Complies <sup>(3)</sup>	>60%	<0.5% HCl
72 FO <sup>(2)</sup>	1-6	SM - MM	Complies <sup>(3)</sup>	>60%	<0.5% HCl

### Notes:

1. Cable construction ranges from 1 to 4 tubes consisting of 1 to 12 fibres in each tube, maximum 48 fibres in total.
2. Cable construction ranges from 1 to 6 tubes consisting of 1 to 12 fibres in each tube, maximum 72 fibres in total.
3. The Optical FR cables met the requirements of IEC 60331-25:1999 when tested at a temperature of 750°C for a duration of 90mins + 15mins cooling time.

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Karen Coull  
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