

Safety of laser products

Part 2: Safety of optical fibre communication systems

INTERPRETATION SHEET 1

General instruction for all normative clauses, including annex B:

Replace “Hazard Level 2 “ *with* “Hazard level 2 or Hazard level 2M, as appropriate”.

Replace “Hazard Level 3A” *with* “Hazard Level 1M or Hazard Level 3R, as appropriate”.

In Annex B, 3B Hazard Level, controlled location column, replace “Hazard Level kx3A” with “Hazard Level 1M or 2M.”

Delete all remaining references to “Hazard Level kx3A”.

All classification and hazard level evaluations shall be made in accordance with IEC 60825-1, Amendment 2.

Page 11

4.4.2

In table 1, the limiting aperture values for IEC 60825-1, Amendment 2 shall be substituted.

Page 14

Annexes

Delete all informative annexes.

Replace old annex B by the following new annex A:

Annex A
(normative)

**Summary of engineering requirements at locations in
optical fibre communication system**

Hazard level	Location type		
	Unrestricted	Restricted	Controlled
1	No requirements	No requirements	No requirements
1M	1) Labelling, and 2) Class 1* from connector or connector requires tool	Labelling	Labelling
2 and 2M	1) Labelling, and 2) Class 1* from connector, or connector requires tool	Labelling	Labelling
3R	Not permitted **	1) Labelling, and 2) Class 1M* from connector, or connector requires tool	1) Labelling, and 2) class 1M or 2M* from connector or connector requires tool
3B	Not permitted **	Not permitted**	1) Labelling, and 2) Protected cables, and 3) class 1M or 2M* from connector or connector requires tool
4	Not permitted **	Not permitted **	Not permitted**
<p>* To be achieved by mechanical design of connector, automatic power reduction or other suitable means.</p> <p>** See 4.4.3. Where systems employ power levels of class 3R or more, protection systems such as APR may be used to obtain the acceptable hazard level for the particular location type.</p>			