INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 61300-3-50
Edition 1.0 2013-05

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – BASIC TEST AND MEASUREMENT PROCEDURES –

Part 3-50: Examinations and measurements – Crosstalk for optical spatial switches

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DISPOSITIFS D'INTERCONNEXION ET COMPOSANTS PASSIFS A FIBRES OPTIQUES – PROCEDURES FONDAMENTALES D'ESSAIS ET DE MESURES –

Partie 3-50: Examens et mesures – Diaphonie relative aux commutateurs spatiaux optiques

CORRIGENDUM 2

Corrections to the French version appear after the English text.

Les corrections à la version française sont données après le texte anglais.

5.6 Measurement for other input ports

Replace the existing text with the following new text

Change the connection of light source S to another input port *I*j (j = 2 to *M*). Repeat the procedure of 5.2 to 5.5.

6.1 Calculation of crosstalk for specified port pairs

Replace the existing second paragraph with the following new paragraph

This crosstalk is the crosstalk of signal light 1 with signal light 2 as noise for signal light 1 for output port *O*1, when this DUT is used for *M* x *N* (*M* input ports and *N* output ports), connected port *I*1 to port *O*1 and input signal light 1 from port *O*1, signal light 2 from port *O*2.

6.2 Calculation of total crosstalk for a specified output port

Replace the existing Equation (5) with the following new Equation (5)

$$XT_{\text{tot}}(O_1) = 10\log_{10}\left(\sum_{i=2}^{i=N} 10^{\frac{1}{10}P_i}\right) - P_1 \qquad (5)$$

where P_i is given in 5.5.

Replace the existing Equation (6) with the following new Equation (6)

$$XT_{\text{tot}}(O_1) = IL_{\text{max},11} + 10\log_{10}\left(\sum_{i=2}^{i=N} 10^{-\frac{1}{10}IL_{\text{min},1i}}\right) \qquad (6)$$