

**IEC 60728-13**  
**(First edition – 2010)**

**Cable networks for television signals, sound signals and interactive services –**  
**Part 13: Optical systems for broadcast signal transmissions**

**CORRIGENDUM 1**

**C.1 System degradation factors**

*Replace Equation C.1 by the following:*

$$RIN_{\text{ref}}(f) = \frac{2\alpha R_1 R_2}{\sqrt{\pi} \cdot \sigma_f} \cdot \exp \left[ -f^2 / 4\sigma_f^2 \right] \quad (\text{C.1})$$

where

- |            |  |
|------------|--|
| $R_1, R_2$ | is the reflective index for first and second time, |
| $\alpha$   | is the optical loss between two reflection points, |
| $\sigma_f$ | is the optical frequency shift of LD,              |
| $f$        | is the RF carrier frequency.                       |