INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

IEC 61156-1
Edition 3.0 2007-06

MULTICORE AND SYMMETRICAL PAIR/QUAD CABLES FOR DIGITAL COMMUNICATIONS –

Part 1: Generic specification

IEC 61156-1
Edition 3.0 2007-06

CABLES MULTICONDUCTEURS A PAIRES SYMETRIQUES ET QUARTES POUR TRANSMISSIONS NUMÉRIQUES –

Partie 1: Spécification générique

CORRIGENDUM 1

Corrections to the French version appear after the English text.

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

Replace the following subclause:

6.2.2.2 Resistance unbalance between pairs

The resistance unbalance between pairs or sides of quads is given by

$$\Delta RP_{i,k} = \frac{\left| R_{\max i} \cdot R_{\min i} \times \left(R_{\max k} + R_{\min k} \right) - R_{\max k} \cdot R_{\min k} \times \left(R_{\max i} + R_{\min i} \right) \right|}{R_{\max i} \cdot R_{\min i} \times \left(R_{\max k} + R_{\min k} \right) + R_{\max k} \cdot R_{\min k} \times \left(R_{\max i} + R_{\min i} \right)} \quad (2)$$

where

ΔRP is the pair resistance unbalance (%);

$R_{\max}$ is the resistance for the pair with the higher resistance value (Ω);

$R_{\min}$ is the resistance for the pair with the lower resistance value (Ω);

i,k $\quad i \neq k$ where i = 1 to n and k = 1 to n for n = number of pairs.

as follows:

6.2.2.2 Resistance unbalance between pairs

The resistance unbalance between pairs or sides of quads is given by

$$\Delta RP_{i,k} = 100 \frac{\left| R_{\max i} \cdot R_{\min i} \left(R_{\max k} + R_{\min k} \right) - R_{\max k} \cdot R_{\min k} \left(R_{\max i} + R_{\min i} \right) \right|}{R_{\max i} \cdot R_{\min i} \left(R_{\max k} + R_{\min k} \right) + R_{\max k} \cdot R_{\min k} \left(R_{\max i} + R_{\min i} \right)} \quad (2)$$