

IEEE Std 802.3ak™-2004
(Amendment to IEEE Std 802.3™2002
as amended by
IEEE Stds 802.3ae™2002
802.3af™2003
and 802.3aj™-2003)

Corrections to

**IEEE Standard for Information technology—
Telecommunications and information exchange between
systems—Local and metropolitan area networks—
Specific requirements**

**Part 3: Carrier Sense Multiple Access with
Collision Detection (CSMA/CD) Access Method
and Physical Layer Specifications**

**Amendment: Physical Layer and Management
Parameters for 10Gb/s Operation, Type 10GBASE-CX4**

Sponsor

LAN/MAN Standards Committee

of the

IEEE Computer Society

Correction Sheet

Issued 11 November 2004

Copyright © 2004 by the Institute of Electrical and Electronics Engineers, Inc.
All rights reserved. Published 2004. Printed in the United States of America.

This correction sheet may be freely reproduced and distributed in order to maintain the utility and currency of the underlying Standard. This correction sheet may not be sold, licensed or otherwise distributed for any commercial purposes whatsoever. The content of this correction sheet may not be modified.

1.4 Definitions

The following definition should be deleted:

1.4.xxx cable assembly: An assembly containing one or more insulated conductors, terminated in a connector at each end, for use as a link segment between MDIs.

Therefore, 1.4 should read as follows:

1.4 Definitions

Insert each of the following alphabetically into 1.4, as amended by all IEEE 802.3 drafts previously approved as a standard. Renumber as required.

1.4.xxx Twinaxial cable: A cable similar to coaxial cable in construction but containing two insulated inner conductors rather than one.

1.4.xxx Twinaxial cable assembly: An assembly containing multiple twinaxial cables, terminated in a connector at each end, for use as a link segment between MDIs, such as that used in 10GBASE-CX4.

54.7 Cable assembly characteristics

The first paragraph in 54.7 is incorrect.

The 10GBASE-CX4 cable assembly is primarily intended as a point-to-point interface of up to 15 m between network ports using controlled impedance cables. All cable assembly measurements are to be made between TP1 and TP4 as shown in Figure 54–2. These cable assembly specifications are based upon twinaxial cable characteristics, but other cable types are acceptable if the specifications are met.

The paragraph should read as follows:

The 10GBASE-CX4 cable assembly contains insulated conductors terminated in a connector at each end for use as a link segment between MDIs. This cable assembly is primarily intended as a point-to-point interface of up to 15 m between network ports using controlled impedance cables. All cable assembly measurements are to be made between TP1 and TP4 as shown in Figure 54–2. These cable assembly specifications are based upon twinaxial cable characteristics but other cable types are acceptable if the specifications are met.