

ICS 33.180.10
CCS M 33

YD

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YD 1268.2-2003

**[YD/T 1268.2-2003] The safety specification and test method for
lithium battery charger
(English Translation)**

Issued on: December 11, 2006

Implemented on: January 1, 2007

Issued by: Ministry of Industry and Information Technology of PRC

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Foreword

YD/T 1460-2006 "Telecommunication microduct optical fiber cables and fiber units for installation by blowing" is divided into the following 5 parts.

- Part 1.General;
- Part 2.Outer protective ducts;
- Part 3.Microducts microduct bundles and microduct accessories;
- Part 4.Microduct optical fiber cables;
- Part 5.Enhanced performance fiber units.

This Part is the Part 3 of YD/T 1460-2006.This Part shall be used, in conjunction with YD/T 1460.1-2006.

In the formulation of this Part, the provisions of the main test items refer to the provisions of the International Electrotechnical Commission Standard IEC 60794-

5.2003 " Optical fiber cables - Part 5.Sectional specification - Microduct cabling for

installation by blowing"; the main performance indicators of the product refer to the

IEC Committee CD document 86A/867/CD"60794-3-50.2003 "Optical fiber cables - Part 3-50.Outdoor fiber cables - Sectional specification for microduct cabling for installation by blowing" (first edition).

Appendix A of this Part is a normative appendix. Appendix B is an informative appendix.

This Part was proposed by AND shall be under the jurisdiction of China Communications Standardization Association.

Drafting organizations of this Part. Wuhan Research Institute of Posts and Telecommunications, Datang Telecom Technology Industry Group, Changfei Optical Fiber and Cable Co., Ltd., Jiangsu Zhongtian Technology Co., Ltd., Sichuan Huiyuan Optical Communication Co., Ltd., Beijing Tonghe Shiyi Telecommunications Science and Technology Research Institute Ltd.

1 Scope

This Part of YD/T 1460 specifies the definition, product model and marking, requirements, test methods, inspection rules, packaging, transportation, storage of microducts and microduct bundles, as well as the basic requirements for microduct accessories.

This Part applies to microducts, microduct bundles, microduct accessories for installation in outdoor or indoor, by blowing.

2 Normative references

The provisions in following documents become the provisions of this Part through reference in this Part of YD/T 1460.For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this Part; however, parties who reach an agreement based on this Part are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 2828-2003 Sampling procedures and tables for lot-by-lot inspection by attributes (Apply to inspection of successive lots or batches) (ISO 2859-1.1999, IDT)

GB/T 6671-2001 Thermoplastics pipes - Determination of longitudinal reversion
(eqv ISO 2505.1994)

GB 6995.2-1986 Markings for electric cables and wires - Part 2. Standard colours

GB/T 7424.2-2002 Optical fiber cable generic specification - Part 2. Basic optical
cable test procedures (IEC 60794-1-2.1999, Optical fiber cables - Part 1-2. Generic
specification - Basic optical cable test procedures, MOD)

GB/T 8804.1-2003 Thermoplastic pipes - Determination of tensile properties - Part

3 Definitions

The following definitions apply to this Part.

3.1

Microduct bundles

See the definition in Article 3.3 of YD/T 1460.1-2006.

4.1 Product classification

According to the different combinations of microducts, they can usually be divided into three types.

4.2.1 Type composition

Product's type marking includes product category, material, construction, as shown in Figure 1.

4.3.1 Specifications of microducts

The specifications of the microducts consist of the outer and inner diameters of the microducts. The outer diameter and the inner diameter are connected by a "/" sign.

4.4.1 Models

Product model consists of type and specification. Different parts are separated by spaces.

4.4.2 Marking

The microduct product marking shall be identified, when processing and ordering, which consists of the model of the microduct and the serial number of this Part.

Example 1. For the microduct for installation by blowing, which is made of high-density polyethylene, has an outer diameter of 7.0 mm and an inner diameter of 5.5 mm, whose duct wall structure is ribbed, THEN, the product marking shall be expressed as.
SYHL 7/5.5 YD/T 1460.3-2006

5.1 General requirements

The provisions of 5.4 and 5.5 of YD/T 1460.1-2006 apply to this Part. When in use, microducts, microduct bundles or microduct cables must be used, in combination with corresponding accessories. The requirements of microduct accessories are as shown in Appendix A.

5.2.1 Structure example

Examples of structures for microducts, microduct bundles, microduct cables are as shown in Appendix B.

5.2.4 Microduct bundles

Microduct bundles are formed by the collection of a certain number of microducts (bundling). It can be installed in the existing outer protective tube at one time, BUT cannot fill the entire outer protective tube. The duty cycle shall not be greater than 60%.

5.2.5 Microduct cables

Where there are waterproof and moisture-proof requirements, the microduct cable shall have a moisture barrier. The material of the moisture barrier shall be such, that can block water and moisture. The sheath of the microduct cable shall be able to completely cover the microduct bundles therein; the thickness should be 0.8 mm.

5.3.3.2 Water pressure tightness

The microducts, which are connected by microduct joints, shall be airtight as a whole AND meet the test requirements of 6.5.3.

5.3.3.3 Freezing

There are no freezing requirements for microducts.