

AEM 参编 YD/T1384-2023 住宅布线标准

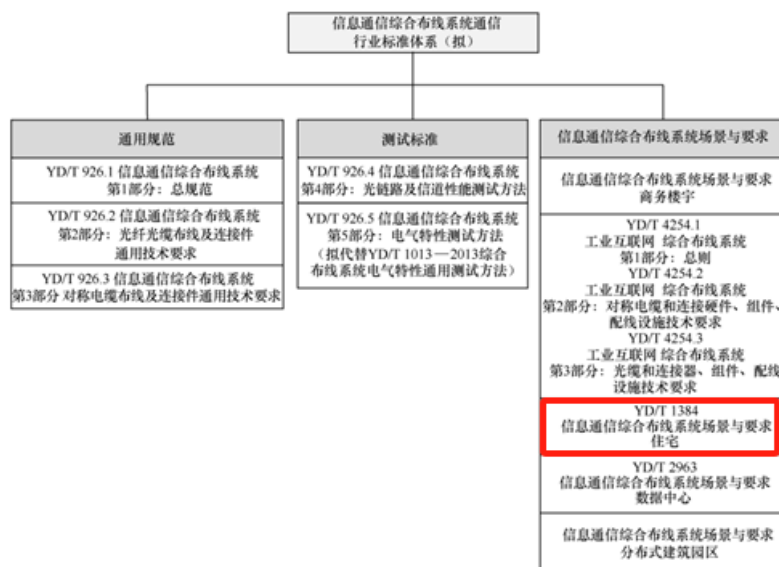
AEM participates and contributes in YD/T1384-2023

Residential Wiring Standard

YD/T1384-2023《信息通信综合布线系统场景与要求——住宅》已于2023年12月20日正式颁布。新加坡AEM公司以其全资子公司、中国通信标准协会会员——苏州永科电子设备有限公司名义参与了本标准的修订工作。

YD/T1384-2023 “*Layouts and requirements of information telecommunication generic cabling system — Residence*” was officially published on December 2023. AEM participated as a member of the China Communications Standard Association in the name of its wholly owned subsidiary AEM Suzhou Electronic Equipment Co. Ltd. in the revision of this standard.

YD/T1384-2023 标准是对 YD/T 1384-2005《住宅通信综合布线系统》标准的再次修订，是“信息通信综合布线系统通信行业标准体系”中“信息通信综合布线系统场景与要求”系列标准之一。YD/T1384-2023 标准参考了 ISO/IEC 11801-4 和 ANSI/TIA-570-D 内容，并与光纤到户 (FTTH) 相关的国家标准——GB 50846-2012、GB 50847-2012 相协调，在住宅布线系统的布线结构、布线模型、布线性能及安装要求等方面进行了较大修改和补充。



The YD/T1384-2023 standard is the second revision of the YD/T 1384-2005 "Residential Communication Integrated Cabling System" standard, which is one of the series of standards in the "Information and Communication Integrated cabling System cabling System communication Industry Standard System". The YD/T 1384-2023 standard reference the ISO/IEC 11801-4 and ANTI/TIA-570-D, and coordinated with the China national standards —— GB 50846-2012 and GB 50847-2012 which is related to Optical Fiber To Home (FTTH), and greatly modified and supplemented the cabling structure, cabling model, cabling performance and installation requirements of the residential cabling system.

在编制过程中，AEM 公司对标准文本提出 20 余项修改建议，针对以太网供电（PoE）和光电混合缆的测试要求与方法提出了具体方案，涉及具体条款分别为：9.3.1.1 对称电缆布线 传输性能要求、9.3.1.2 PoE 供电要求、9.3.2 光纤布线，以及附录 B PoE 承载能力测试方法。

In the process of compilation, AEM proposed more than 20 modifications to the standard text, put forward the test requirements and test methods for Power over Ethernet (PoE) and optical & electrical hybrid cable, that involved the following clauses : 9.3.1.1 balanced cabling transmission performance requirements, 9.3.1.2 PoE requirements, 9.3.2 optical fiber cabling, and Append B PoE carrying capacity test method.

AEM 公司的 TESTPRO 测试仪能满足 YD/T1384-2023 标准规定的全部测试要求，即：

1. TESTPRO 测试仪精度达到 VI 级，优于标准规定的 IIIIE 级；
2. TESTPRO 测试仪能测试 EA、E、D 级铜缆永久链路、端到端链路（E2E）、模块化端接插头链路（MTPL）、直连布线、信道等各类布线性能；
3. TESTPRO 测试仪能测试 6A 类、6 类、5e 类跳线性能；
4. TESTPRO 测试仪能按标准附录 B 要求测试布线的 PoE 承载能力，以及承

载 PoE 条件下的信道运行余量 (COM);

5. TESTPRO 测试仪能按标准规定测试单模与多模光纤链路和信道的衰减、长度;
6. TESTPRO 测试仪能测量光电混合缆的供电导体的连通性 (直流电阻、供电电压);
7. TESTPRO 测试仪能记录测试数据并生产测试报告。

AEM' s TESTPRO tester can meet all the test requirements of YD/T1384-2023 standard, namely:

1. TESTPRO' s accuracy reaches level VI, better than the level IIIIE specified in the standard;
2. TESTPRO can test the cabling performance of class EA, class E and class D copper permanent link, End to End link (E2E), modular terminal plug link (MPTL), direct cabling, channel, etc.
3. TESTPRO can test the performance of category 6A, category 6, and category 5e patch cord;
4. TESTPRO can test the PoE load capacity of the cabling according to the requirements of standard Append B, and the Channel Operating Margin (COM) under PoE load condition;
5. TESTPRO can test the attenuation and length of SM and MM optical fiber link and channel according to the standard;
6. TESTPRO can measure the connectivity of power supply conductor (DC resistance and supply voltage) of optical & electrical hybrid cable;
7. TESTPRO can record test data and supply test report.

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