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ICS 33.120.10
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NATIONAL STANDARD OF THE

PEOPLE'S REPUBLIC OF CHINA

GB/T 17737.5-2013

Replacing GB/T 11323-1989

Coaxial communication cables -- Part 5: Sectional specification for CATV trunk and distribution cables

同轴通信电缆 第5部分：CATV用干线和配线电缆分规范

(English Translation)

Issued on: December 17, 2013 **Implemented on: June 15, 2014**

Issued by: Standardization Administration of China

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Foreword

GB/T 17737 "Coaxial communication cables" is divided into the following sections.

--- Part 1. Generic specification - General, definitions and requirements;

--- Part 2. polytetrafluoroethylene (PTFE) semi-rigid insulation RF coaxial cable specification;

--- Part 3. Sectional specification for coaxial cables for local area networks;

--- Part 4. Sectional specification for leaky cable;

Part --- Article 5. CATV trunk and distribution cable with a specification.

This section GB/T Part of 517,737.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section replaces the GB/T 11323-1989 "cable distribution systems with a single coaxial cable General requirements and tests." this section compared with the GB/T 11323-1989, the main technical changes are as follows.

--- Standard name changed to "Coaxial communication cables - Part 5. CATV trunk and distribution cable with sub-standard";

--- Frequency range from "30MHz ~ 960MHz" expanded to "5MHz ~ 1000MHz";

--- As most standard GB/T 11323-1989 referenced in the GB/T 17737.1-2000 has been replaced by enacting away, because this portion of the GB/T 11323-1989 in the structure and content of the test methods have changed substantially.

This section uses the translation method is equivalent to using IEC 61196-5:2007 "Coaxial communication cables - Part 5. CATV trunk and distribution with Cable specification. " this part made the following editorial changes.

--- Remove the normative references are not referenced in the body of the IEC 62153-4-8;

--- Fixed 4.5 sheath reg number carbon black content misquoted, the words "provisions of 7.3.5 shall";

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--- Fixed 7.1.2.6 required/remarks column "0.5ohm/m" error instead "0.5mohm/m";

--- Fixed 4.4,7.3.6 specification referenced in terms of the total number of errors.

Correspondence between the consistency of the standards of international documents and normative references of the following documents.

--- GB/T 2951.41-2008 cable and the cable Common test methods for insulating and sheathing materials Part 41. polyethylene and poly Propylene mixed Methods specific environmental stress cracking resistance test method for directly measuring the melt index measured combustion polyethylene Ene and carbon black (or) mineral filler content of thermal gravimetric analysis (TGA) measuring microscope method to assess the content of carbon black polyethylene the carbon black dispersion (IEC 60811-4-1:2004, IDT) Please note that some of the content of this standard may involve patents, the issuing authority of this standard does not assume the responsibility to identify these patents.

This part is proposed by the Ministry of Industry and Information Technology of the People's Republic of China.

This section is under the jurisdiction of the National electronic equipment with a high-frequency cables and connectors Standardization Technical Committee (SAC/TC190).

This section drafted by. China Electronics Technology Group Corporation No. 23 Research Institute.

1 Scope

This section GB/T 17737 specifies the requirements for cable television distribution network of trunk and distribution cable, the cable television distribution Net working at temperatures between -40 °C and 65 °C, the frequency range of 5MHz to 1000MHz.

This section applies to coaxial communication cables. This section should be used in conjunction with the GB/T 17737.1.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2421.1-2008 Environmental testing for electric and electronic products overview and guidance (IEC 60068-1. 1988, IDT) GB/T 17737.1-2013 Coaxial communication cables - Part 1. Generic specification - General, definitions and requirements (IEC 61196-1:2005, IDT) IEC 60811-4-1 Common test methods for cables and cable insulation and sheathing materials - Part 41. Mixtures of polyethylene and polypropylene Methods specific to environmental stress cracking resistance test method for measuring the melt index

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measured the direct combustion of carbon black polyethylene and (or) mineral Quality filler content thermal gravimetric analysis (TGA) measurements of carbon black content microscopy assessment of carbon black dispersion in polyethylene (Insulatingand sheathingmaterialsofelectricandopticalcables-Commontestmethods-Part 4-1. Methodsspecific topolyethyleneandpolypropylenecompounds-Resistancetoenvironmentalstresscracking-Mea s-urementofthemeltflowindex-Carbonblackand/ormineralfilercontentmeasurementinpolyethy -lenebydirectcombustion-Measurementofcarbonblackcontentbythermogravimetricanalysis (TGA) -Assessmentofcarbonblackdispersioninpolyethyleneusingamicroscope) IEC 61196-1-1 Coaxial communication cables - Part 1-1. Capability approval coaxial cable (Coaxialcommunication cables-Part 1-1. Capabilityapprovalforcoaxialcables) IEC 61196-1-1 xx (alparts) Coaxial communication cables 1-1 xx. Electrical test methods (Coaxialcommuni-cationcables-Part 1-1 xx. Electricaltestmethods) IEC 61196-1-101 Coaxial communication cables - Part 1-101. Electrical test methods for cables DC resistance of conductors (Coaxialcommunicationcables-Part 1-101. Electricaltestmethods-Testforconductord.c.resistanceof cable) IEC 61196-1-102 Coaxial communication cables - Part 1-102. Electrical test methods for cable dielectric insulation resistance test (Coaxialcommunicationcables-Part 1-102. Electricaltestmethods-Testforinsulationresistanceof cabledielectric) IEC 61196-1-105 Coaxial communication cables - Part 1-105. Electrical test methods for cable dielectric withstand voltage test (Coaxial communicationcables-Part 1-105. Electricaltestmethods-Testforwithstandvoltageofcable dielectric) IEC 61196-1-108 Coaxial communication cables - Part 1-108. Electrical test methods characteristic impedance, phase and group delay, electrical length the degree and velocity of propagation test (Coaxialcommunicationcables-Part 1-108. Electricaltestmethods-Testforchar-acteristicimpedance, phaseandgroupdelay, electricallengthandpropagationvelocity)

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