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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 17738.4-2013

Replacing GB/T 15867-1995

Radio frequency and coaxial cable assemblies -- Part 4: Sectional specification for semi-rigid coaxial cable assemblies

射频同轴电缆组件 第4部分：半硬同轴电缆组件分规范

(English Translation)

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Foreword

GB/T 17738 "RF coaxial cable assembly" is divided into the following sections.

--- Part 1. Generic specification and test methods - General requirements;

--- Part 2. Sectional specification for flexible coaxial cable assemblies;

--- Part 3. semi-flexible coaxial cable assemblies;

--- Part 4. semi-rigid coaxial cable assemblies.

This section GB/T Part of 417,738.

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

This section replaces the GB/T 15867-1995 "RF coaxial cable assemblies - Part 4. Semi-rigid coaxial cable assemblies." this section compared with the GB/T 15867-1995, the main technical changes are as follows.

--- Delete a chapter division, the "Range 1" and "Objective 2" into the "Range 1" (see Chapter 1, GB/T 15867-1995 of the first Chapter 21 and Chapter);

--- Remove the "definition" of the content, direct reference to GB/T 17738.1-2013 provisions (see Chapter 3, Chapter GB/T 15867-1995 4th);

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--- Increasing the length of the cable assembly and the definition of the legend (see 4.3);

--- Added "processing quality, marking and packaging" and "quality assessment" (see Chapters 5 and 6);

--- Remove the "phase change with temperature" (see GB/T 15867-1995 9.8);

--- Remove the pressure test on the test voltage specified preferred value (see GB/T 15867-1995 of 9.10.1);

--- Increased test methods "vibration, impact and shock" (see 10.2.1);

--- Delete "special test methods" in the content, direct reference to GB/T 17738.1-2013 provisions (see Chapter 11, Chapter GB/T 15867-1995 No. 12);

--- The "bending fatigue" to "bend durability" (see 9.3, GB/T 15867-1995 10.3), "Torque" to "reverse" (see Tables 1 and 2, GB/T 15867-1995 12.2, Tables 1 and 2);

--- Added "multiple bend" (see 9.6), "Resistance to solvents and contaminating fluids" (see Tables 1 and 2), "dust test" (see Table 1 and Table

2) and "Flammability (see Tables 1 and 2)";

--- Refine the capability approval procedure (see 12.3).

This section uses the translation method is equivalent to using IEC 60966-4:2003 "RF coaxial cable assemblies - Part 4. semi-rigid coaxial cable assemblies Specification. " this part made the following editorial changes.

--- Modified representation 4.3 cable assembly length;

--- Fixed Table 2 pilot projects in the sample.

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 provides a uniform electrical, mechanical and environmental performance test by the semi-rigid coaxial cable and coaxial connector cable assemblies consisting of Claim.

This section semi-rigid coaxial cable assemblies (hereinafter referred to as cable

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assemblies) suitable for transmitting transverse electromagnetic mode (TEM) of.

Note 1: reg number consistent with the overall specification.

Note 2: For this part, cable assemblies always be seen as an integral unit. All the provisions applicable to the finished cable assemblies not suitable for the individual, not Assembled parts.

Note 3: This section is supplemented by detailed specification, detail specification shall specify the additional details of the specific application needs, this application is not necessarily required for all tests.

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 17738.1-2013 RF coaxial cable assemblies - Part 1. Generic specification - General requirements and test methods (IEC 60966-1:1999, IDT) GB/T 19000-2008 Quality Management System - Fundamentals and vocabulary (ISO 9000:2005, IDT) IEC 60096-2. 1988 Radio-frequency cables - Part 2. relevant cable specifications (Radio-frequencycables-Part 2.

Relevantcablespecifications) IEC 60410. 1973 count inspection sampling plans and procedures (Samplingplansandproceduresforinspectionbyat-tributes) IEC 61169 (alparts) RF connectors (Radio-frequencyconnectors) IEC 61196 (alparts) RF cable (Radio-frequencycables)

3 Terms and Definitions

Terms and definitions GB/T 17738.1-2013 defined apply to this document.

4 Design and construction requirements

GB/T 17738.1-2013 in Chapter 4 is replaced by the following.

4.1 Cable design and structure

Cable shall comply with IEC 60096-2 or IEC 61196 relevant portion. When these standards need to be different cable design, electrical Cable should comply with detailed specifications.

If necessary, to meet the detailed specifications, the manufacturer may use additional protective pipes or cables different from IEC 61196, it Compliance with detailed specifications.

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