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Coaxial cables for television receivers

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Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by The Japanese Electric Wire & Cable Makers' Association (JCMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS C 3502:2015**), which has been technically revised.

However, **JIS C 3502:2015** may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 19 February 2021.

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Coaxial cables for television receivers

1 Scope

This Japanese Industrial Standard specifies the requirements for the coaxial cables for television receivers used in the transmission path of television receiver systems including the satellite broadcasting in the frequency band from 10 MHz to 3 224 MHz.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS C 3005 *Test methods for rubber or plastic insulated wires and cables*

JIS C 3102 *Annealed copper wires for electrical purposes*

JIS C 3152 *Tin coated annealed copper wires*

JIS G 3537 *Zinc-coated steel wire strands*

JIS H 4000 *Aluminium and aluminium alloy sheets, strips and plates*

3 Classification and symbols

The classification and symbols shall be as given in Table 1 according to the characteristics and constructions.

Table 1 Classification and symbols

Classification	Symbol ^{a)}	Characteristics and constructions
Foamed polyethylene insulated vinyl sheathed coaxial cable for satellite television receiver	S-4C-FB S-5C-FB S-7C-FB	In accordance with Annex A.
Highly foamed plastic insulated laminate sheathed coaxial cable for satellite television receiver	S-5C-HFL S-7C-HFL S-10C-HFL	In accordance with Annex B.
Highly foamed plastic insulated laminate sheathed self-supporting type coaxial cable for satellite television receiver	S-5C-HFL-SS○ S-7C-HFL-SS○ S-10C-HFL-SS○	
Note ^{a)} The meanings of symbols are as follows. S : for satellite television receiver 4, 5, 7, 10 : nominal inside diameter of external conductor (mm) C : characteristic impedance 75 Ω F : insulation of internal conductor by foamed polyethylene B : external conductor with braiding applied on plastic tape pasted with aluminium foil HF : internal conductor highly foamed plastic insulation L : laminate sheath SS○ : self-supporting type. SSS designates winding self-supporting type cables, SSF lashing self-supporting type cables, and SSD 8-shape self-supporting type cables. The constructions shall be in accordance with Annex B.		