

JIS

JAPANESE INDUSTRIAL STANDARD

Radio-frequency Coaxial Cables

JIS C 3501—1987

Translated and Published

by

Japanese Standards Association

In the event of any doubt arising,
the original Standard in Japanese is to be final authority.

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Radio-frequency Coaxial Cables

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1. Scope

This Japanese Industrial Standard specifies radio-frequency coaxial cables, hereinafter referred to as the "cables", with characteristic impedance of 50 Ω and of 75 Ω , which are intended for use as connection, internal wiring, feeder, etc. of radio-frequency apparatus and which employ polyethylene as the insulation, braided wire as the outer conductor, and a compound mainly composed of p.v.c resin, hereinafter referred to as the "vinyl", as the sheath.

Remark: The units and numerical values given in { } in this Standard are based on the traditional unit system and are currently the criteria in force.

2. Classification and Symbols

Cables are classified and symbolized as shown in Table 1, according to the characteristic impedance of apparatus in which the cable is used.

Table 1

Classification (by characteristic impedance)	Symbol
50 Ω type	0.8D-2V
	1.5D-2V
	2.5D-2V
	3D-2V
	5D-2V
	5D-2W
	8D-2V
	10D-2V
75 Ω type	1.5C-2V
	2.5C-2V
	3C-2V
	3C-2VCS
	3C-2VS
	5C-2V
	5C-2W
	7C-2V
10C-2V	

Applicable Standards:

JIS C 3002-Testing Methods of Electrical Copper and Aluminium Wires

JIS C 3005-Testing Methods for Rubber or Plastic Insulated Wires and Cables

JIS C 3102-Annealed Copper Wires for Electrical Purposes