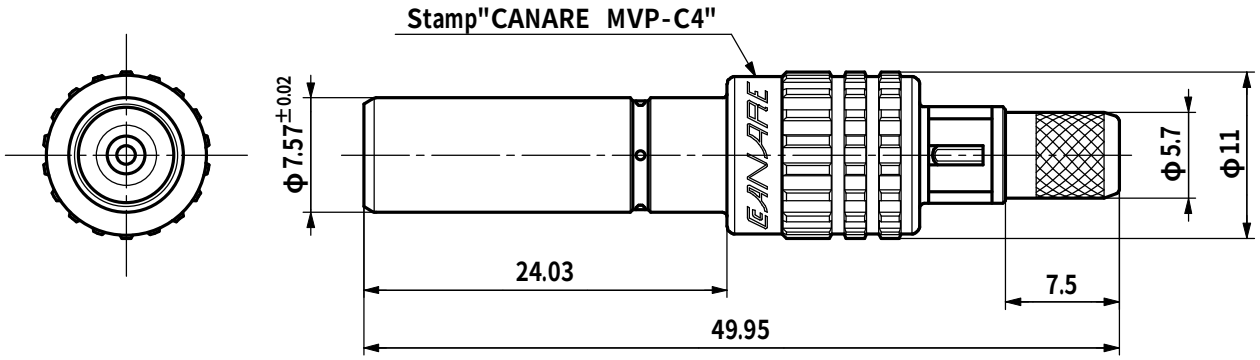
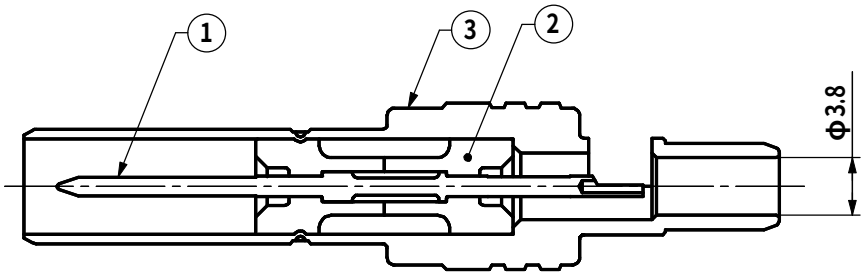
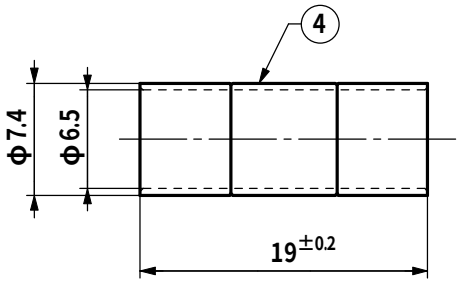
External Appearance



Construction





No.	Name of Parts	Pc(s).	Material	Finish
4	Crimp Sleeve	1	Brass	Tin Plating
3	Body	1	Brass	Nickel Plating
2	Insulator	2	Amorphpus Polyolefin	—
1	Center Contact	1	Phosphor Bronze	Gold Plating

Title	PJTN	Unit	Sc.	Tol.	Date Ver.1.0	Model	No.
75Ω VIDEO PATCH PLUG		mm	2:1	±0.1	2002-08-19	MVP-C4	BL277

CANARE

PRODUCT SPECIFICATIONS

(MVP−C4)

SAB277
Ver. 1.0
CANARE ELECTRIC CO., LTD

1. Scope This product specification covers the performance of CANARE 75 Ω mini−video patch plug.

2. General Specifications

(1) Product name 75 Ω mini−video patch plug
(2) Model name MVP−C4
(3) Nominal impedance 75 Ω unbalanced
(4) Construction As shown in the drawing (BL277).
(5) Weight Approx 13g (including crimp sleeve)
(6) Designation Stamp model name (MVP−C4A) and brand name (CANARE) on the body.
(7) Packaging 20pcs/package (150 x 50 x 44mm)
(8) Applicable cable RG−59B/U(MIL*[1]−C−17), LV−61S(CANARE)
(9) Crimp tool Frame: TC−1, Die: TCD−4CA, TCD−451CA
*[1]Military Standard

3. Rating

(1) Operating temperature −40 ℃ ～ +85 ℃
(2) Operating humidity ～ 90%

4. Characteristics

4.1 Electrical characteristics As shown in **Table 1**

Table 1

Items	Specified values	Test methods
Insulation resistance	2000MΩ or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 1000V.
Voltage proof	Without any damage such as electric breakdown etc.	1500V a.c. shall be applied for 1 min between the contacts. Trip current :0.5mA.
Contact resistance	Between external contacts: 10mΩ or less Between center contacts: 10mΩ or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Return Loss	26dB or more (0 ～1.5GHz) 20dB or more (0 ～2.4GHz)	Terminated with 75 Ω. The measurement frequency up to 2.4GHz.

4.2 Mechanical characteristics As shown in **Table 2**

Table 2

Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality	The receptacle and applicable plug shall be engaged.
Fixing force of contact with lock mechanism	No displacement more than 0.5 mm.	Tensile strength of 19.6N shall be applied to the axial direction.
Cable connecting force	245N or more for RG−59B/U 196N or more for LV−61S	An applied cable shall be attached to the plug, after which tensile strength shall be applied.
Mechanical endurance	Contact resistance: 20mΩ or less	The endurance test consists of repeated engagement and separation of connector pairs. The number of operations shall be 5000cycles.

4.3 Environmental characteristics As shown in **Table 3**

Table 3

Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Contact resistance: 20mΩ or less Appearance: By visual inspection, without noticeable rust.	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35±2 ℃ for 48h (Salt solution concentration: 5±1% by weight). Then it shall be subjected to standard atmospheric conditions. After removing the salt deposits by water, the appearance of the connector shall be checked.

5. Measurement conditions Unless otherwise specified, the standard range of atmospheric conditions for making measurements and tests are as follows: Ambient temperature (15 ℃ to 35 ℃), Relative humidity (25% to 75%), Air pressure (86kPa to 106kPa). If there is any doubt about the results, measurements shall be made within the following limits: Ambient temperature (20±1 ℃), Relative humidity (63% to 67%), Air pressure (86kPa to 106kPa).