

PRODUCT SPECIFICATIONS

(371)

1. **Scope** This product specification covers the performance of CANARE BNC Male Connector- RG59 PVC

2. General specifications

- (1) **Product name** Canare BNC Male Connector- RG59 PVC
 (2) **Model number** 371
 (3) **Applicable standard** IEC*¹ 61169- 8, JIS*² C 5412
 (4) **Nominal impedance** 75 Ω unbalanced
 (5) **Construction** As shown in the drawing (BL398).
 (6) **Weight** Approx 12g (including center contact and crimp sleeve)
 (7) **Designation** Stamp model name (BCP- B4F) on washer and brand name (CANARE) on coupling sleeve.
 (8) **Packaging** 100pcs/package (220 x 155 x 37mm), 20pcs/package (150 x 50 x 31mm), 40pcs/package (235 x 210 x 31mm)
 (9) **Applicable cable** L- 4CFB, LS- 4CFB, L- 4CHD, V*- 4CFB (CANARE), 1505A (BELDEN), HD PRO 0.8/3.7AF (DRAKA), VPM2000 (GEPCO)
 (10) **Crimp tool** Frame: TC- 1, Die: TCD- 451CA, TCD- 4CA

3. Ratings

- (1) **Operating temperature** -40 ~ +85
 (2) **Operating humidity** ~ 90%

4. Characteristics

4.1 Electrical characteristics As shown in Table 1

Items	Specified values	Test methods
Insulation resistance	5000MΩ or more	Measurement shall be made between the contacts, after an electrification time of 1min with a d.c. voltage of 500V.
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: 3mΩ or less Between center contacts: 6mΩ or less	Measurement shall be made between the contacts, with engaging a plug and a receptacle. (1kHz:1mA a.c.)
Return loss	26.4dB or more	An applied cable shall be attached to the plug, then it shall be terminated with 75 Ω . The measurement frequency up to 3GHz.
Voltage standing wave ratio (V.S.W.R)	1.1 or less	

4.2 Mechanical characteristics As shown in Table 2

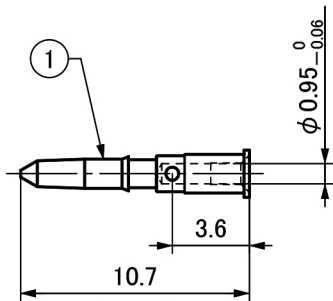
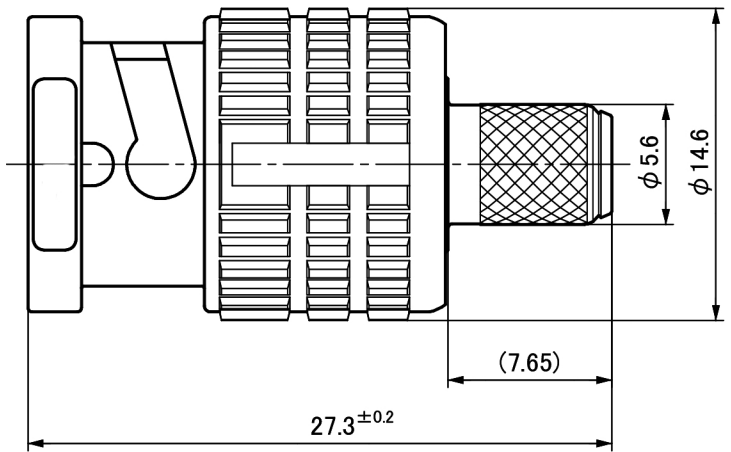
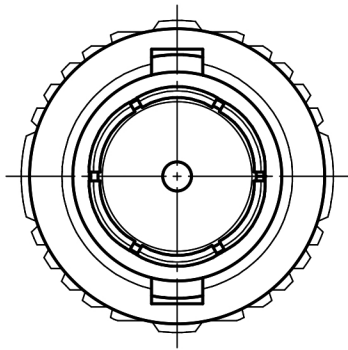
Items	Specified values	Test methods
Intermatability	To be engaged without any abnormality.	The plug and an applicable receptacle shall be engaged.
Fixing force of contact with lock mechanism	No displacement more than 0.5 mm.	Tensile strength of 19.6N shall be applied to the axial direction.
Strength of coupling mechanism	Coupling sleeve shall not be disconnected or no deformation shall be made.	The plug and a receptacle shall be engaged, after which tensile strength of 250N and rotation strength of 2.5N·m shall be applied.
Cable connecting force	196N or more (LS- 4CFB : 147N or more)	An applied cable shall be attached to the plug, after which tensile strength shall be applied.
Mechanical operation (repeated)	Contact resistance: 10mΩ or less	The endurance test consists of repeated engagement and separation of connector pairs. The measurement shall be made after 5000 cycles.

4.3 Environmental characteristics As shown in Table 3

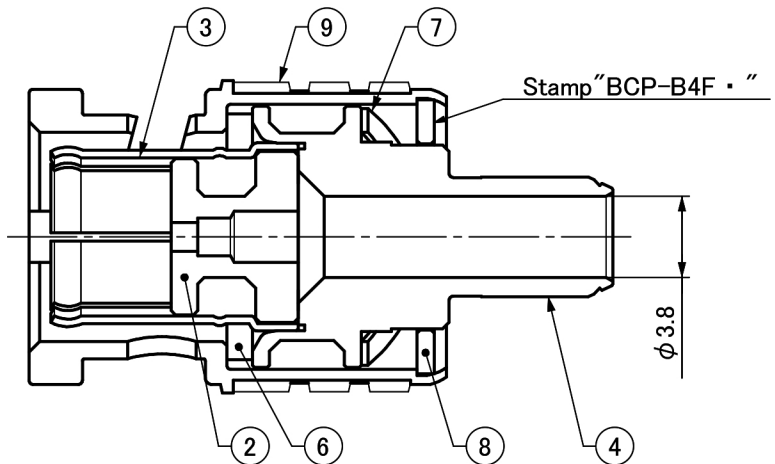
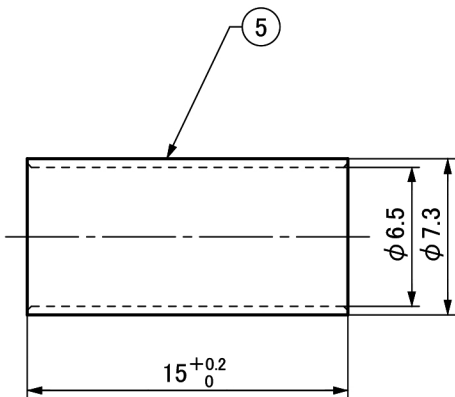
Items	Specified values	Test methods
Corrosion resistance (Salt mist)	Appearance: By visual inspection, without noticeable rust. Contact resistance: 50mΩ or less	The connector shall be subjected continuously to a fine mist of salt solution at a temperature of 35±2 for 48h (Salt solution concentration: 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).

External Appearance



Construction



9	Coupling Sleeve	1	Zinc Alloy Die Casting	Nickel Plating
8	Washer	1	Brass	Nickel Plating
7	Spring Washer	1	Beryllium Copper	Nickel Plating
6	Gasket	1	Silicone Rubber	—
5	Crimp Sleeve	1	Copper	Tin Plating
4	Body	1	Brass	Nickel Plating
3	Outer Contact	1	Beryllium Copper	Nickel Plating
2	Insulator	1	PTFE	—
1	Male Center Contact	1	Brass	Gold Plating

No.	Name of Parts	Pc(s).	Material				Finish		
	Show Me CABLES <small>cables & connectors since 1995</small>	PJTN	Unit	Sc.	Tol.	Date	Ver. 1.0	Canare BNC Male Connector- RG59 PVC	No. 371
			mm	2√2:1	±0.1				