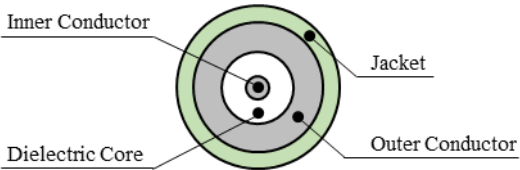


Applicable standard								
Rating	Operating temperature range	① -40 °C to +85 °C (90 %RH Max.)		Storage temperature range	① -40 °C to +85 °C (90 %RH Max.)			
	Applicable cable	See below for details.		Characteristic impedance	75 Ω(0 to 12 GHz)			
	Finished cable : φ7.7 mm coaxial cable (Reference) Jacket : φ7.7 mm Outer conductor : Braided shield Dielectric core : φ5.7 mm Inter conductor : (1/1.36), Bare soft copper wire							
SPECIFICATIONS								
ITEM		TEST METHOD		REQUIREMENTS		QT	AT	
CONSTRUCTION								
General examination		Visually and by measuring instrument.		According to drawing.		X	X	
Marking		Confirmed visually.				-	-	
ELECTRICAL CHARACTERISTICS								
Contact resistance		100 mA Max.(DC or 1000 Hz)		Center contact 8 mΩ Max. Outer contact 8 mΩ Max.		X X	X X	
Insulation resistance		500 V DC.		1000 MΩ Min.		X	X	
Withstanding voltage		500 V AC for 1 min. current leakage 2 mA Max.		No flashover or breakdown.		X	X	
Voltage standing wave ratio		Frequency 0 to 3 GHz. Frequency 3 to 12 GHz.		VSWR 1.29 Max. (18 dB Min.) VSWR 1.43 Max. (15 dB Min.)		X	-	
Insertion loss		Frequency - to - GHz.		- dB Max.		-	-	
MECHANICAL CHARACTERISTICS								
Contact insertion and extraction forces		φ - by steel gauge.		Insertion force - N Max. Extraction force - N Min.		- -	- -	
Insertion and extraction forces		Measured by applicable connector.		Insertion force - N Max. Extraction force - N Min.		- -	- -	
Mechanical operation		5000 times insertion and extractions.		1)Contact resistance: Center contact 12 mΩ Max. Outer contact 12 mΩ Max. 2)No damage, crack and looseness of parts.		X	-	
Vibration		Frequency 10 to 500 Hz single amplitude 0.75 mm, 98 m/s ² at 10 cycles for 3 directions.		1)No electrical discontinuity of 1 μs. 2)No damage, crack and looseness of parts.		X	-	
Shock		490 m/s ² directions of pulse 11 ms at 3 times for 3 directions.				X	-	
Cable clamp strength (Against cable pull)		Using a pulling tester, pull the cable axially at a rate of 30 mm/min. and record the strength at which the cable or connector breaks.		49 N Min.		X	-	
ENVIRONMENTAL CHARACTERISTICS								
Damp heat		Exposed at +25 to +65 °C, 90 to 96 % total 10 cycles.(240 h)		1)Insulation resistance: 100 MΩ Min. (at high humidity) 2) Insulation resistance: 1000 MΩ Min. (at dry) 3)No damage, crack and looseness of parts.		X	-	
Rapid change of temperature		Temperature -40 → - → +85 → - °C Time 30 → 3 → 30 → 3 min. Under 5 cycles.		No damage, crack and looseness of parts.		X	-	
Corrosion salt mist		Exposed in 5 % salt water spray for 48 h.		VSWR 1.29 Max. (Frequency 0 to 3 GHz.) VSWR 1.43 Max. (Frequency 3 to 12 GHz.)		X	-	
△	Count	Description of revisions		Designed		Checked		Date
△								
Remark				Approved		TO.KATAYAMA		20190520
Note ① Standard of connector without cable.				Checked		TO.KATAYAMA		20190520
				Designed		RO.YOKOYAMA		20190520
Unless otherwise specified, refer to IEC 60512.				Drawn		ST.KISHI		20190520
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				Drawing No.		ELC-382240-00-01		
HRS		SPECIFICATION SHEET		Part No.		BNC(75)-P-5.5C-12G		
		HIROSE ELECTRIC CO., LTD.		Code No.		CL302-0091-0-00		△ 1/1