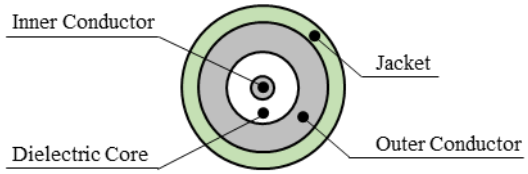
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In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

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.	X	X
		Outer contact 8 mΩ Max.	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.	VSWR 1.29 Max. (18 dB Min.)	X	-
	Frequency 3 to 12 GHz.	VSWR 1.43 Max. (15 dB Min.)		
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 ℃, 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 → - ℃ 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
△1					

Remark
Note 1 Standard of connector without cable.

Unless otherwise specified, refer to IEC 60512.

Approved	TO.KATAYAMA	20190520
Checked	TO.KATAYAMA	20190520
Designed	RO.YOKOYAMA	20190520
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 1/1