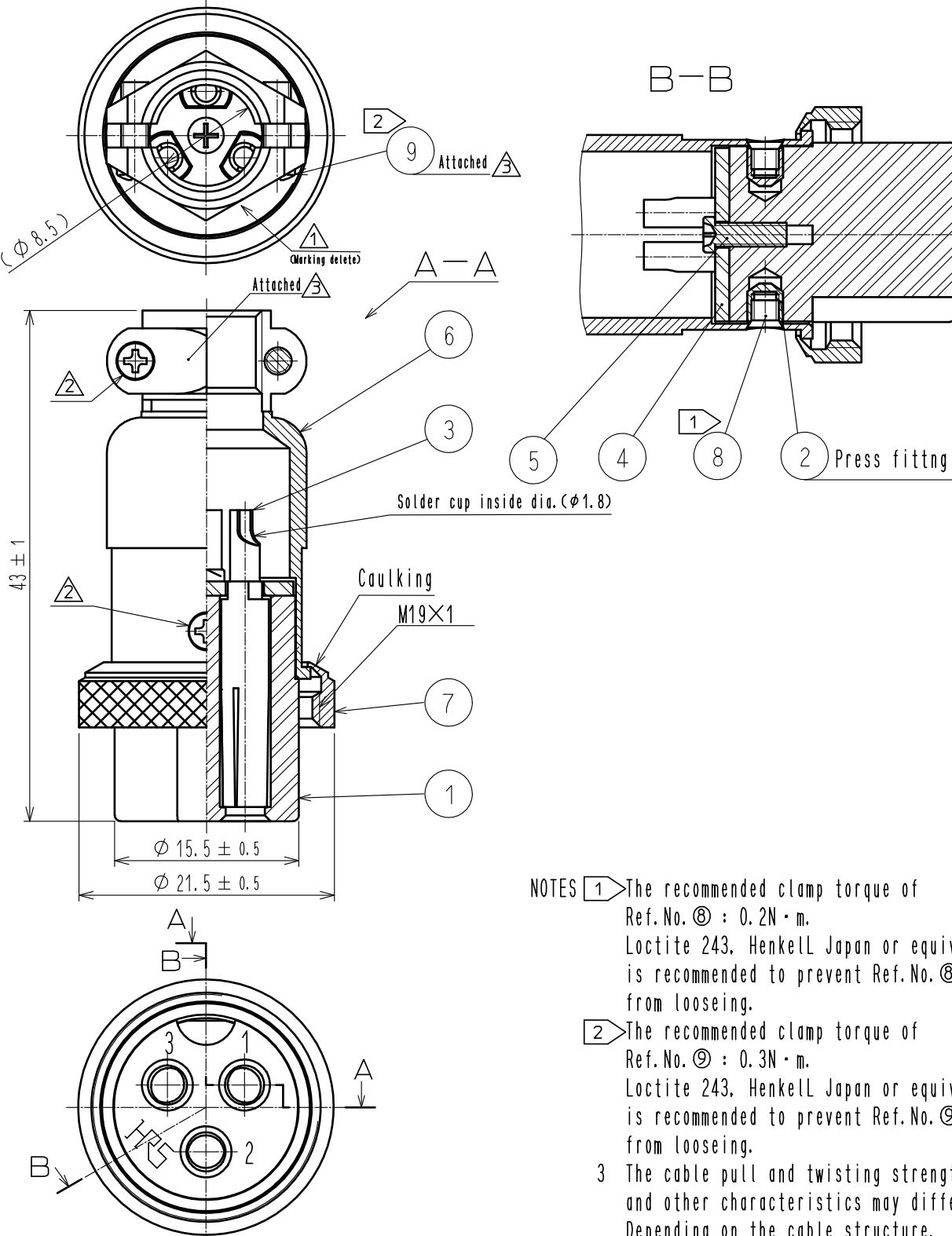


APPLICABLE STANDARD		SPECIFICATIONS					
RATING	OPERATING TEMPERATURE RANGE	-25 °C TO +85 °C		STORAGE TEMPERATURE RANGE	-10 °C TO +60 °C		
	VOLTAGE	AC 350 V, DC 500 V		—	—		
	CURRENT	7 A		APPLICABLE CABLE	Ø 8.5		
CONSTRUCTION							
GENERAL EXAMINATION	VISUALLY AND BY MEASURING INSTRUMENT.		ACCORDING TO DRAWING.		X X		
MARKING	CONFIRMED VISUALLY.				X X		
ELECTRIC CHARACTERISTICS							
CONTACT RESISTANCE	CONTACT SHALL BE MEASURED AT DC 1 A		5 mΩ MAX.		X X		
INSULATION RESISTANCE	500 V DC.		1000 MΩ MIN.		X X		
VOLTAGE PROOF	1000 V AC. FOR 1 min.		NO FLASHOVER OR BREAKDOWN.		X X		
MECHANICAL CHARACTERISTICS							
CONTACT INSERTION AND WITHDRAWAL FORCES	Ø 2.970 ⁰ _{-0.003} BY STEEL GAUGE.		INSERTION AND WITHDRAWAL FORCES : 1.5 N MIN		X —		
CONNECTOR INSERTION AND WITHDRAWAL FORCES	MEASURED BY APPLICABLE CONNECTOR.		INSERTION AND WITHDRAWAL FORCES LOCKING DEVICE WITH UNLOCK : 40 N MAX.		X —		
MECHANICAL OPERATION	1000 TIMES INSERTIONS AND EXTRACTIONS.		CONTACT RESISTANCE: 5 mΩ MAX.		X —		
VIBRATION	FREQUENCY : 10 → 55 → 10(Hz) , SINGLE AMPLITUDE 0.75 mm, AT 2h, FOR 3 DIRECTIONS.		① NO ELECTRICAL DISCONTINUITY OF 10 µs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X —		
SHOCK	IN OPPOSITE DIRECTIONS OF EACH 3 DEMENSION AXIS FOR 3 TIMES AT 490 m/s ² DURATIONS OF PULSE 11 ms.		① NO ELECTRICAL DISCONTINUITY OF 10 µs. ② NO DAMAGE, CRACK AND LOOSENESS, OF PARTS.		X —		
ENVIRONMENTAL CHARACTERISTICS							
DAMP HEAT (STEADY STATE)	EXPOSED AT 40 °C, 90 TO 95 %, 96 h.		① INSULATION RESISTANCE: 10 MΩ MIN (AT HIGH HUMIDITY). ② INSULATION RESISTANCE: 100 MΩ MIN (AT DRY). ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X —		
RAPID CHANGE OF TEMPERATURE	TEMPERATURE -55 → R/T ⁽¹⁾ → +85 → R/T °C TIME 30 → 10 TO 15 → 30 → 10 TO 15 min UNDER 5 CYCLES.		① INSULATION RESISTANCE: 1000 MΩ MIN.  ② NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X —		
CORROSION SALT MIST	EXPOSED IN 5 % SALT WATER SPRAY FOR 48 h.		NO HEAVY CORROSION RUIN THE FUNCTION.		X —		
DRY HEAT	EXPOSED AT + 85 °C , 96 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X —		
COLD	EXPOSED AT - 55 °C , 96 h.		NO DAMAGE, CRACK AND LOOSENESS OF PARTS.		X —		
RESISTANCE TO SOLDERING HEAT	SOLDERED AT SOLDERING IRON BIT TEMPERATURE +380±10°C FOR 3 ⁺¹ ° s.		NO DEFORMATION OF CASE OF EXCESSIVE LOOSENESS OF THE TERMINALS.		X —		
SOLDERABILITY	SOLDERED AT SOLDERING IRON BIT TEMPERATURE +350±10°C FOR 2 TO 3 s.		WETTING ON SOLDER SURFACE. NO SOLDER CLUSTER.		X —		
COUNT		DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE		
1		DIS-C-00000966	HY. KISHI	HY. KOBAYASHI	16.05.14		
REMARK				APPROVED	HY. KOBAYASHI	15.10.28	
NOTE (1) R/T : ROOM TEMPERATURE.				CHECKED	HY. KOBAYASHI	15.10.28	
Unless otherwise specified, refer to JIS C 5402. (IEC60512)				DESIGNED	HY. KISHI	15.10.28	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWN	HY. KISHI	15.10.28	
HRS			DRAWING NO.		ELC-119230-00-00		
SPECIFICATION SHEET			PART NO.	HS16PA-3			
HIROSE ELECTRIC CO., LTD.			CODE NO.	CL101-0604-0-00		 1/1	



NOTES

① The recommended clamp torque of Ref. No. ⑧ : 0.2N·m.
Loctite 243, Henkell Japan or equivalent is recommended to prevent Ref. No. ⑧ from loosening.

② The recommended clamp torque of Ref. No. ⑨ : 0.3N·m.
Loctite 243, Henkell Japan or equivalent is recommended to prevent Ref. No. ⑨ from loosening.

③ The cable pull and twisting strength and other characteristics may differ. Depending on the cable structure. Please confirm before the use.

NO.	MATERIAL	FINISH . REMARKS	NO.	MATERIAL	FINISH . REMARKS
5		Nickel plating			
4	Phenol	(Natural/Brown)	9	Steel	△ Nickel plating
3	Brass	Nickel plating 0.8 μm min.	8	Steel	△ Nickel plating
2	Brass	Nickel plating	7	Brass	Nickel plating
1	PPS	Black (UL94V-0)	6	Brass	Nickel plating

UNITS mm	SCALE 2 : 1	COUNT ③ 2	DESCRIPTION OF REVISIONS DIS-C-00000643	DESIGNED HY. KISHI	CHECKED HY. KOBAYASHI	DATE 15.12.08
			APPROVED : HY. KOBAYASHI 15.10.28	DRAWING NO.	EDC-119230-00-00	
			CHECKED : HY. KOBAYASHI 15.10.28	PART NO.	HS16PA-3	
			DESIGNED : HY. KISHI 15.10.28	CODE NO.	CL101-0604-0-00	
			DRAWN : HY. KISHI 15.10.28			③ 1/1