





Applicable standard					
Rating	Operating temperature range	-40°C to +85°C	Applicable cable	 Fujikura SM-10/125, Cable dia. 7mm Strength member dia. 1.0 to 1.6 mm	
	Storage temperature range	-25°C to +70°C (at packing)			
Specifications					
Item		Test method	Requirements	QT	AT
Construction					
General examination		Visually and by measuring instrument.	According to drawing.	X	X
Marking		Confirmed visually.		X	X
Optical characteristics					
Insertion loss		Measurement at wave length 1310nm(LD) (IEC 61300-3-4)	0.4 dB MAX. (1 mating)	X	-
Return loss		Measurement at wave length 1310nm(LD) (IEC 61300-3-6)	40 dB MIN.	X	-
Mechanical characteristics					
Tensile strength (axial)		A tensile force to cable axially for 1 minutes at 200N.	Insertion loss range : 0.3 dB MAX. No looseness,breakage, cracks	X	-
Mating durability		200 insertion and extraction. (IEC 61300-2-2)		X	-
Vibration		2 hours of 3 direction at an half amplitude of 0.75mm with the frequency 10-55Hz sweeping and the acceleration 98.1m/s <sup>2</sup> (IEC 61300-2-1)		X	-
Shock		10 times and 3 directions with the acceleration 981m/s <sup>2</sup> and duration 6ms (IEC 61300-2-9)		X	-
Environmental characteristics					
Composite humidity cycle		Humidity : 90 to 96% Temperature : -10 to 65°C Time : 240hours(24h/cycle , 10cycle) (IEC 61300-2-21)	Insertion loss range : 0.3 dB MAXx No looseness, breakage,cracks	X	-
Temperature cycling		Temperature : -40 to 75°C Time : 336hours(8h/cycle , 42cycle) (Telcordia GR-326-CORE)		X	-
Resistance to dry heat		Temperature : 85°C for 240hours (IEC 61300-2-18)		X	-
Resistance to cold		Temperature : -40°C for 240hours (IEC 61300-2-17)		X	-
Salt mist		Salt mist : 5% and temperature 35°Cfor 1000 hours (IEC 61300-2-26)	No corrosion	X	-
Water resistance (mating)		Put the product under water for 1 min, with air pressure 4.9 kpa.(IP67)	No air leakage.	X	-
	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
	1	DIS-K-00001504	FS. YOSHIDA	YY. HIYAMA	18. 04. 16
REMARK			APPROVED	MT. SHIBUTANI	14. 12. 01
NOTE 1. Connected with SW20-SC master-receptacle And SC master plug. And, measured with this product and it.			CHECKED	YY. HIYAMA	14. 12. 01
			DESIGNED	FS. YOSHIDA	14. 12. 01
			DRAWN	FS. YOSHIDA	14. 12. 01
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC4-177045-02
	SPECIFICATION SHEET		PART NO.	SW20-SCPT75-2 (22)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL717-5019-5-22	 1/1