

APPLICABLE STANDARD								
RATING	OPERATING TEMPERATURE RANGE	-40°C TO +85°C	STORAGE TEMPERATURE RANGE	-25°C TO +75°C				
	POWER	-w	CHARACTERISTIC IMPEDANCE	OPTICAL CABLE(φ5.5 TO φ6)				
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 1310±30nm(LED)		≤1.4 dB(SM) 2 MATING ≤0.7 dB(GI)		X	—	
RETURN LOSS		MEASUREMENT AT WAVE LENGTH 1310±30nm(LD)		≥40 dB(SM)		X	—	
MECHANICAL CHARACTERISTICS								
TENSILE STRENGTH (AXIAL)		A TENSILE FORCE TO CORD AXIALLY AT 200N		INSERTION LOSS RANGE : ≤0.3dB NO LOOSENESS,BREAKAGE, CRACKS		X	—	
MATING DURABILITY		200 INSERTION AND EXTRACTION.				X	—	
VIBRATION		2 HOURS OF 2 DIRECTION AT AN AMPLITUDE OF 1.5mm WITH THE FREQUENCY SWEEPING CONTINUOUSLY BETWEEN 10 AND 55 Hz.				X	—	
SHOCK		3 TIMES AND 2 DIRECTIONS WITH THE ACCELERATION 981m/s²				X	—	
ENVIRONMENTAL CHARACTERISTICS								
COMPOSITE HUMIDITY CYCLE		HUMIDITY : 90~96% TEMPERATURE : -10~65°C TIME : 240HOURS(10CYCLE)		INSERTION LOSS RANGE : ≤0.3dB NO LOOSENESS, BREAKAGE,CRACKS		X	—	
TEMPERATURE CYCLING		TEMPERATURE : -40~75°C 42CYCLE (TELCORDIA GR-326-CORE)				X	—	
RESISTANCE TO DRY HEAT		TEMPERATURE : 85°C FOR 240HOURS				X	—	
RESISTANCE TO COLD		TEMPERATURE : -25°C FOR 240HOURS				X	—	
SALT MIST		SALT MIST : 5% FOR 500HOURS		NO HEAVY CORROSION RUINS THE FUNCTION.		X	—	
WATER RESISTANCE		PUT THE PRODUCT UNDER WATER FOR 1 min. WITH AIR PRESSURE 4.9 kPa.		NO AIR LEAKAGE		X	—	
	COUNT	DESCRIPTION OF REVISIONS		DESIGNED		CHECKED		DATE
Q								
REMARK Unless otherwise specified, refer to JIS C 5961.				APPROVED	MT. SHIBUTANI		18. 02. 02	
				CHECKED	FS. YOSHIDA		18. 02. 02	
				DESIGNED	TY. SATO		18. 02. 02	
				DRAWN	MK. INOUE		18. 02. 01	
Note QT:Qualification Test AT:Assurance Test X:Applicable Test				DRAWING NO.		ELC-176281-31-00		
HRS	SPECIFICATION SHEET			PART NO.		MF10S-WP6C01-0200 (31)		
	HIROSE ELECTRIC CO., LTD.			CODE NO.		CL709-0527-4-31		△ 1/1