

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 (φ6.5)	
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(LD)		≤1.0 dB(SM) 2 MATING ≤0.7 dB(GI) WITH 1.5dB-MODESCRAMBLER	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	-
FLEX RESISTANT	10,000 TIMES AT 90 DEGREE, RIGHT AND LEFT DIRECTION			X	-
MATING DURABILITY	5,000 INSERTION AND EXTRACTION.			X	-
VIBRATION (JIS E 4031, 5,B)	2 HOURS OF 2 DIRECTION AT AN AMPLITUDE OF 2.3mm WITH THE FREQUENCY SWEEPING CONTINUOUSLY BETWEEN 40 Hz.			X	-
SHOCK (JIS E 4032,2,A)	3 TIMES AND 2 DIRECTIONS WITH THE ACCELERATION 88m/s ²			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 : -40°C FOR 240HOURS			X	-
SALT MIST	SALT MIST : 5% FOR 1000HOURS WITH THE CONNECTOR HOOD INSTALLED		NO HEAVY CORROSION RUINS THE FUNCTION.	X	-
WATER RESISTANCE (MATING)	PUT THE PRODUCT UNDER WATER FOR 1 min. WITH AIR PRESSURE 4.9kPa.		NO AIR LEAKAGE	X	-
COUNT	DESCRIPTION OF REVISIONS		DESIGNED	CHECKED	DATE
0					
REMARK			APPROVED	MT. SHIBUTANI	18. 02. 02
Unless otherwise specified, refer to JIS C 5961.			CHECKED	FS. YOSHIDA	18. 02. 02
			DESIGNED	TY. SATO	18. 02. 02
			DRAWN	MK. INOUE	18. 02. 02
Note QT:Qualification Test AT:Assurance Test X:Applicable Test			DRAWING NO.		ELC-176711-31-00
HRS	SPECIFICATION SHEET		PART NO.	MF10B-WP6. 5C01-0200 (31)	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL709-1004-1-31	△ 1/1