

Mar.1.2026 Copyright 2026 HIROSE ELECTRIC CO., LTD. All Rights Reserved.
In case of consideration for using Automotive equipment / device which demand high reliability, kindly contact our sales window correspondents.

Operating condition	Operating temperature range (applying current)	-25 to +85 [deg.C] (85%RH MAX) No freezing and condensation	Storage temperature range (at packing)	-40 to +60 [deg.C] (from 5 to 85%RH) No freezing and condensation	
	Suitable connector	FJ-L jack harness			
SPECIFICATIONS					
ITEM	TEST METHOD		REQUIREMENTS	QT	AT
CONSTRUCTION					
Dimension, Construction and Finishing	Visual inspection and dimension measurement		Comply with the drawing	X	X
Marking	Visual inspection			X	X
OPTICAL PERFORMANCE					
Insertion loss (IL) ①	Measure insertion loss. (Stabilized Light Source: 850nm LED)		≤ 0.5dB (For the same type of fiber)	X	-
MECHANICAL CHARACTERISTICS					
Mating Durability	FJ-L plug: 50 cycles		No damage, cracks, loose parts, or No damage, cracks, loose parts, or problems with joints. Insertion loss variation: ≤±0.4dB	X	-
Vibration	Vibration for 10cycle in 3 directions, at an amplitude of 1.5mm with the frequency range 10 to 55 [Hz].			X	-
Shock	3 times and 3 directions with the acceleration 490 [m/s ²] in duration 11ms.			X	-
ENVIRONMENTAL CHARACTERISTICS					
Temperature cycling	Temperature: -40 to +85 [deg.C] ,w/o applying current Time: 10 minutes to 10 minutes Number of cycle: 100 cycles		No damage, cracks, loose parts, or No damage, cracks, loose parts, or problems with joints. Insertion loss variation: ≤±0.4dB	X	-
High Temp storage	Temperature: 85 [deg.C], w/o applying current Time : 1000 hours			X	-
Low Temp storage	Temperature: -40 [deg.C], w/o applying current Time : 1000 hours			X	-
Temperature and humidity cycling	Temperature, Humidity : -10 to +65 [deg.C], w/o applying current Number of cycle: 10 cycles Cycle Time: 24h/cycle			X	-
△	COUNT	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
REMARK	① When connecting different types of fibers, the insertion loss value may deteriorate depending on the numerical aperture (NA) of the fibers.		APPROVED	YY. HIYAMA	20230915
			CHECKED	TS. YAMAZAKI	20230915
			DESIGNED	SI. MATSUMOTO	20230915
			DRAWN	SK. AOYAMA	20230915
Note	QT: Qualification Test, AT: Assurance Test		DRAWING NO.	ELC-401255-00-00	
HRS	SPECIFICATION SHEET		PART NO.	FJ-L-P-KT1	
	HIROSE ELECTRIC CO., LTD.		CODE NO.	CL0719-1100-0-00	△ 1/1