

Jan.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.

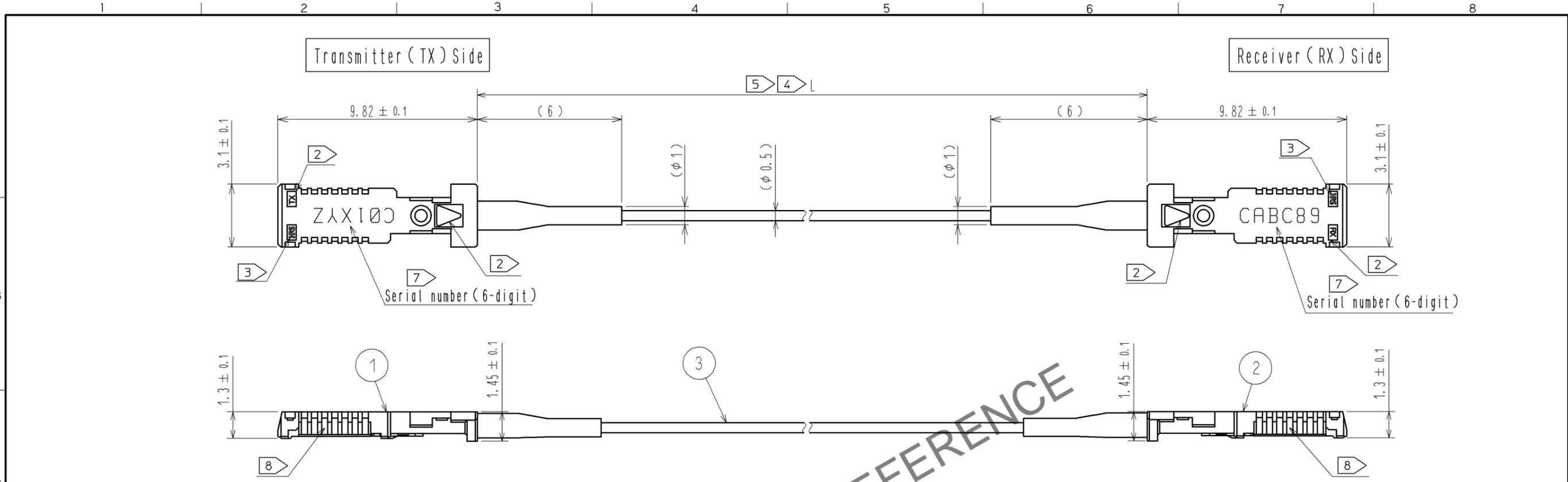


Table 1 Parts list

No	Parts name	Details	Note
①	Transmitter plug (TX)	Housing : LCP (White) Contact : Phosphor bronze (Au plating) Plate : Phosphor bronze (Ni plating) VCSEL : GaAs VCSEL driver : Si (CMOS) Bonding wire : Au Sealing resin : Epoxy Heat shrink tubing : Polyolefin (Black)	Suitable receptacle connector BF4-TX-14DS-0.5V
②	Receiver plug (RX)	Housing : LCP (White) Contact : Phosphor bronze (Au plating) Plate : Phosphor bronze (Ni plating) PD : GaAs TIA/LA : Si (CMOS) Bonding wire : Au Sealing resin : Epoxy Heat shrink tubing : Polyolefin (Black)	Suitable receptacle connector BF4-RX-14DS-0.5V
③	Optical fiber	Fiber : Silica glass Coating : ⑥ UV curable resin / Thermoplastic resin	Outer dia. : 0.5mm Fiber type : GI 50/80 Color : Red

⑤ Table 2 Cable length vs tolerance

Cable length 'L'	Tolerance	Note
$L < 45\text{mm}$	—	Out of support
$45\text{mm} \leq L \leq 100\text{mm}$	$\pm 7\%$	( $\pm 7\%$ of cable length)
$100\text{mm} < L < 1000\text{mm}$	$\pm 5\%$	( $\pm 5\%$ of cable length)

- Note 1 Please see ETAD-K0632 for more information about specifications, and see ETAD-K0398 about handling precautions.
- ② This is an identification mark for TX side and RX side.
  - ③ Manufacturer's mark.
  - ④ Dimension 'L' means optical fiber cable length and '\*\*' in the part number in the same value with 'L'. (Unit : mm)
  - ⑤ Table 2 shows the tolerance of optical fiber cable length. Please inquire to Hirose sales staff about the request of tolerance.
  - ⑥ The optical fiber coating contains less than 1000ppm dibutyltin compounds (DBT) as an intentionally-doped catalyser. (Comply with Reach regulation)
  - ⑦ 6-digit serial number shall be marked around directed area by laser marking.
  - ⑧ There may be the sliding trace around the contact points, because of the test process in HRS by mating with inspection connector. (There is no bad effect for the performance)

UNITS mm		SCALE 5 : 1	COUNT △	DESCRIPTION OF REVISIONS	DESIGNED	CHECKED	DATE
HIROSE ELECTRIC CO., LTD.				APPROVED : MT. SHIBUTANI 14.05.30	DRAWING NO. EDC3-179036-00 PART NO. BF4MC-6GTXX-B1-**MM CODE NO.		
				CHECKED : OM. MIYAMOTO 14.05.30			
				DESIGNED : TS. YAMAZAKI 14.05.30			
				DRAWN : TS. YAMAZAKI 14.05.30			
				△ 1/1			