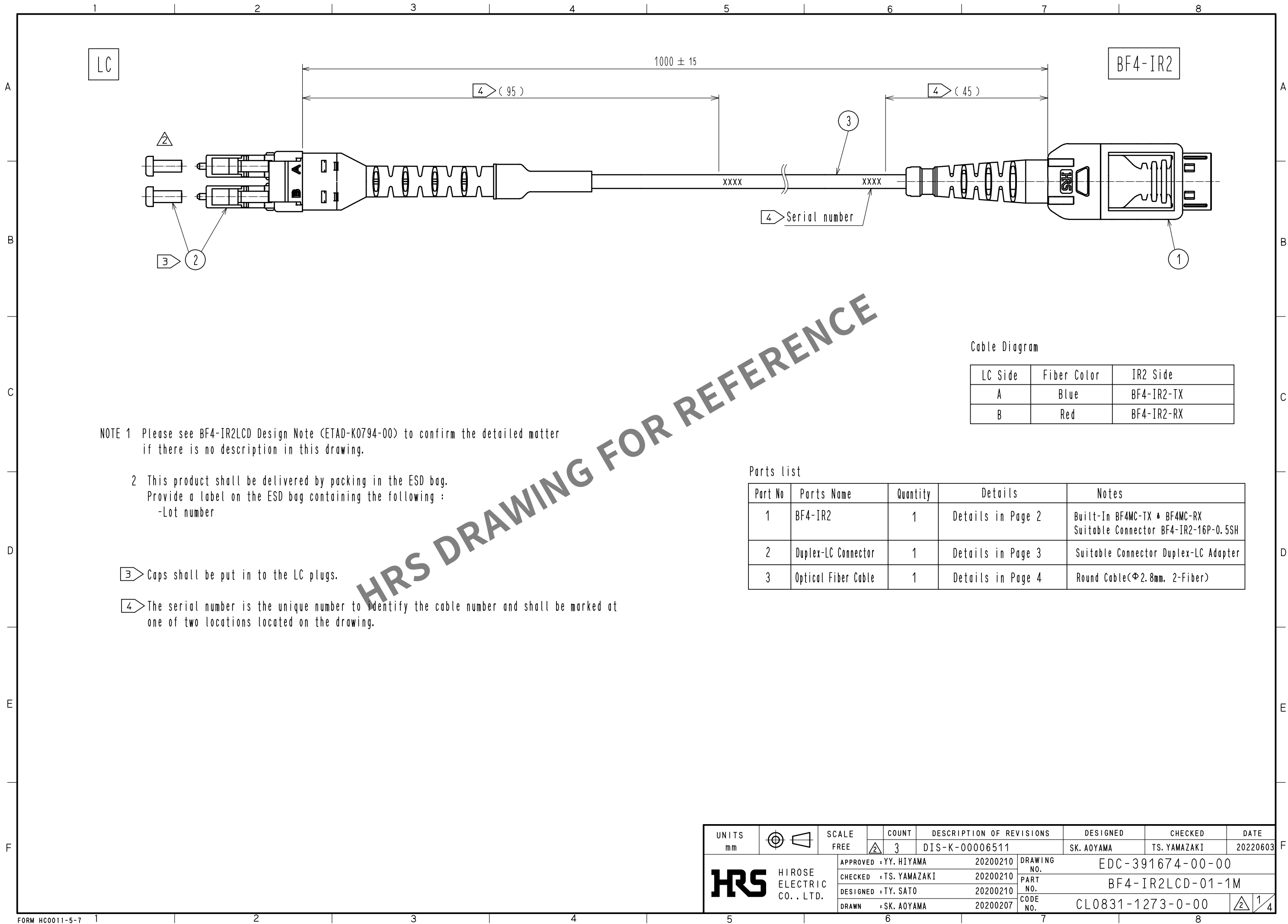
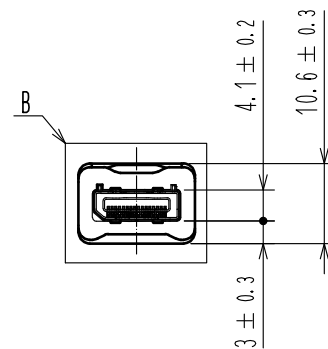
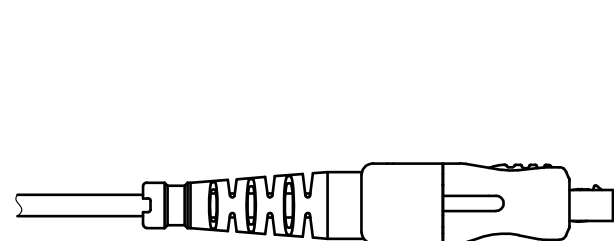
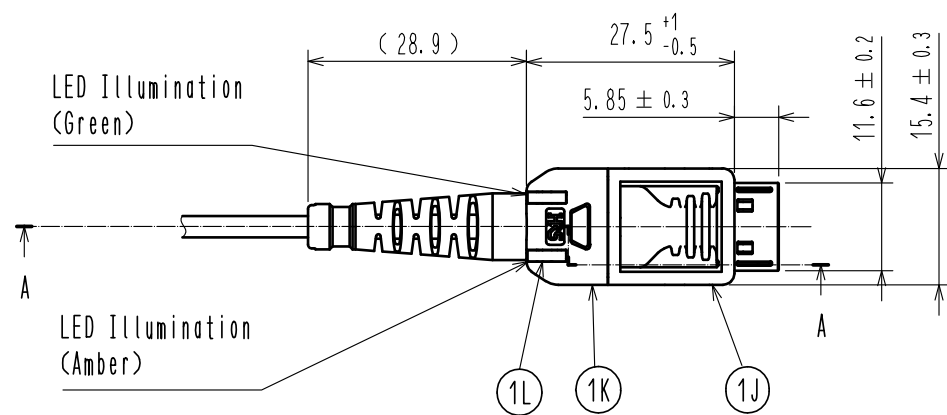


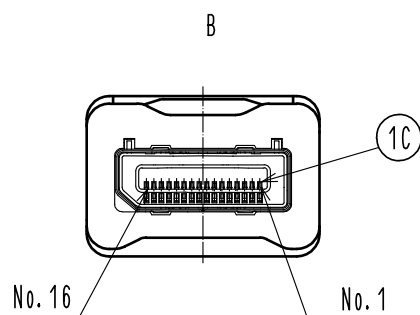


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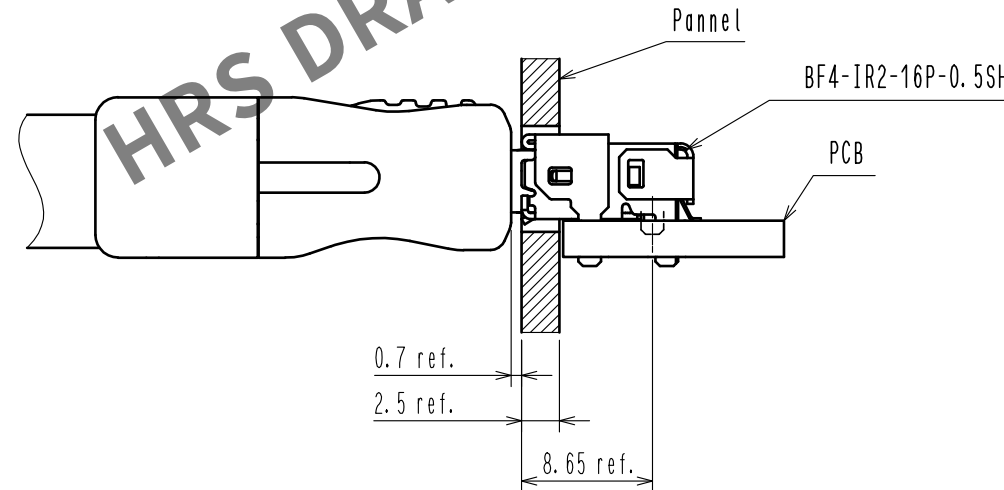
Details of BF4-IR2



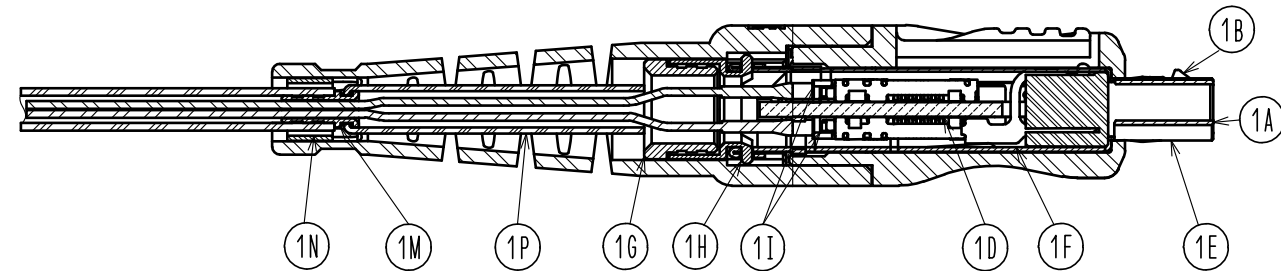
Pin Number



Mated Condition



A-A



Parts List

Part No	Parts Name	Qty/IR2	Material
1A	S Housing	1	PA (Black)
1B	S Lock Spring	2	Stainless Steel (Au Plating)
1C	S Contact	16	Copper Alloy (Au Plating)
1D	PCBA	1	Including BF4 Receptacles
1E	Shield Shell A	1	Stainless Steel (Ni Plating)
1F	Shield Shell B	1	Stainless Steel (Ni Plating)
1G	Ring	1	Brass (Ni Plating)
1H	Fixed Ring	1	Aluminium
1I	BF4 Plug	2	—
1J	S Cover Case A	1	PBT (Black)
1K	S Cover Case B	1	Polyester Elastomer (Blue)
1L	Light Guiding Pipe	2	PC (Transparent)
1M	Cable Clamper	1	Brass (Ni Plating)
1N	Clamping Ring	1	Brass (Ni Plating)
1P	Heat Shrink Tubing	1	Polyolefin (Black)

Pin Layout

No	Pin Name	I/O	No	Pin Name	I/O
1	VDD	Power	9	GND	GND
2	VDD	Power	10	EO-DATA-	Input
3	GEN-LEDn	Input	11	EO-DATA+	Input
4	OE-SDn	Output	12	GND	GND
5	ANDATA	Output	13	EO-ACT	Input
6	GND	GND	14	EO-ACTn	Output
7	OE-DATA-	Output	15	AMB-LEDn	Input
8	OE-DATA+	Output	16	N.C.	N.C.

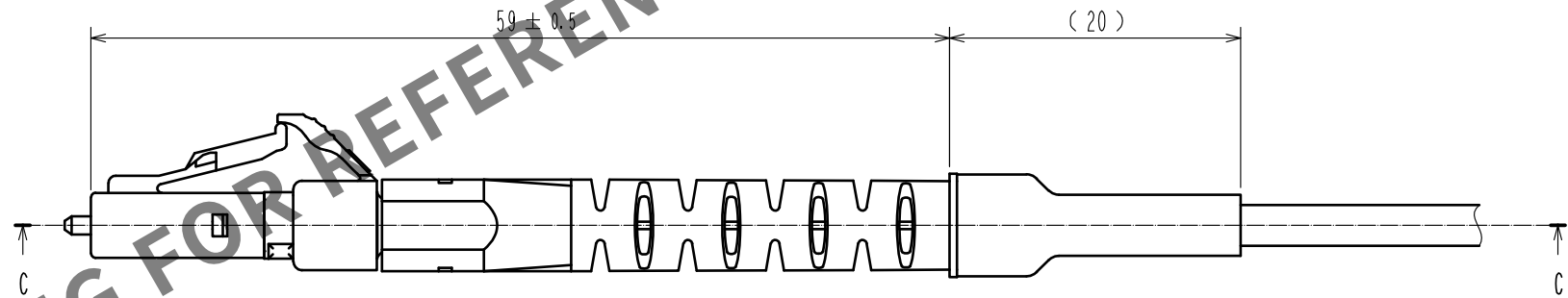
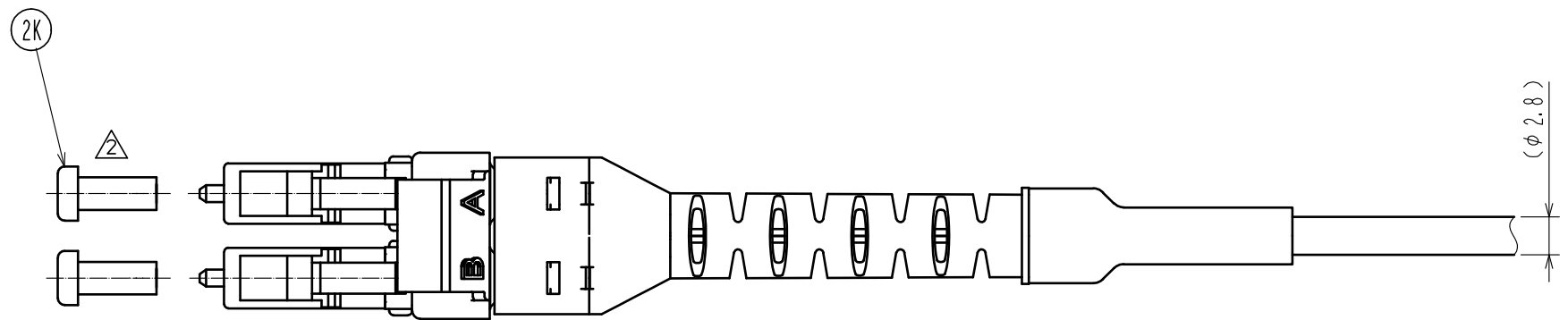
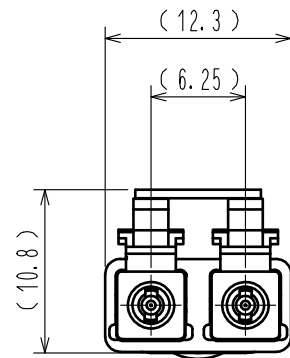
HRS

DRAWING NO.	EDC-391674-00-00
PART NO.	BF4-IR2LCD-01-1M
CODE NO.	CL0831-1273-0-00

2/4

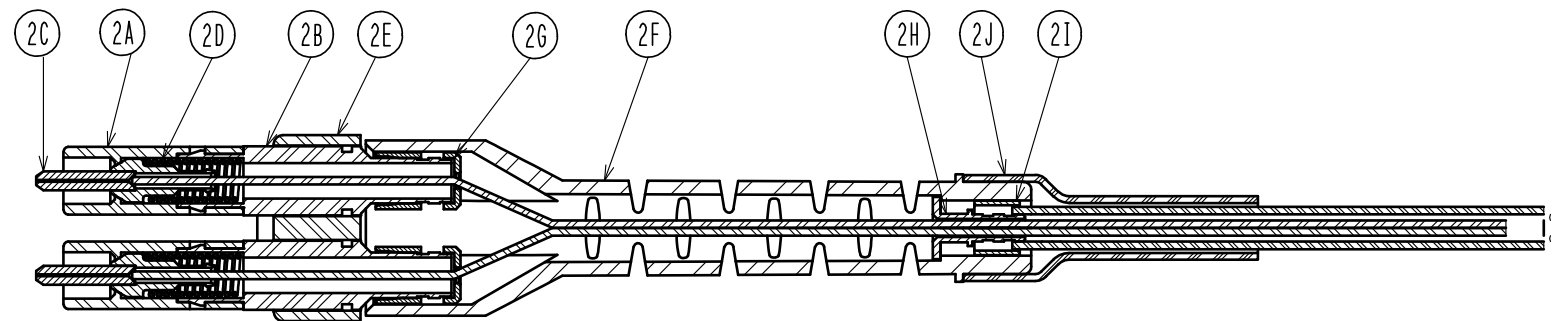
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Details of Duplex-LC Connector



Parts List

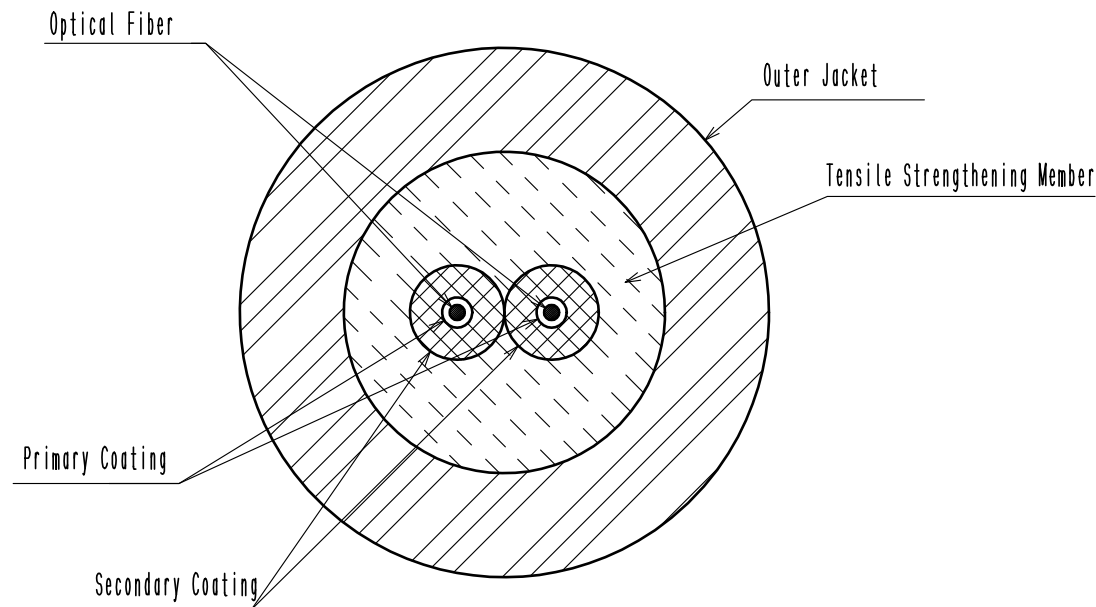
Part No	Parts Name	Quantity	Material
2A	Plug Housing	2	PEI (Beige)
2B	Extender Cap	2	PEI (Beige) + Al Alloy
2C	LC Ferrule	2	ZrO2 + Brass (Ni Plating)
2D	Spring	2	SUS304
2E	Side Clip	1	PP (Beige)
2F	Boot	1	Polyester Elastomer (Blue)
2G	Boot Holder	1	Brass (Ni Plating)
2H	Cable Clamper	1	Brass (Ni Plating)
2I	Clamp Ring	1	Brass (Ni Plating)
2J	Heat Shrink Tubing	1	Polyolefin (Black)
2K	Cap	2	TPEE (Black)



HRS

DRAWING NO.	EDC-391674-00-00
PART NO.	BF4-IR2LCD-01-1M
CODE NO.	CL0831-1273-0-00

Details of 2-Fiber Round Cable



Optical Fiber

Fiber Type	GI(50/80)
Material	Silica Glass
N. A.	0.275 ± 0.015
Core Diameter	$50 \pm 5 \mu\text{m}$
Cladding Diameter	$80 \pm 1 \mu\text{m}$
Eccentricity (Core/Cladding)	$< 3 \mu\text{m}$
Core Circularity	$< 6\%$
Cladding Circularity	$< 2\%$

Primary Coating

Material	UV Cureable Resin
Outer Diameter	$165 \pm 10 \mu\text{m}$
Color	Blue / Red

Secondary Coating

Material	Fluororesin
Outer Diameter	$0.5 \pm 0.1 \text{mm}$
Color	Clear

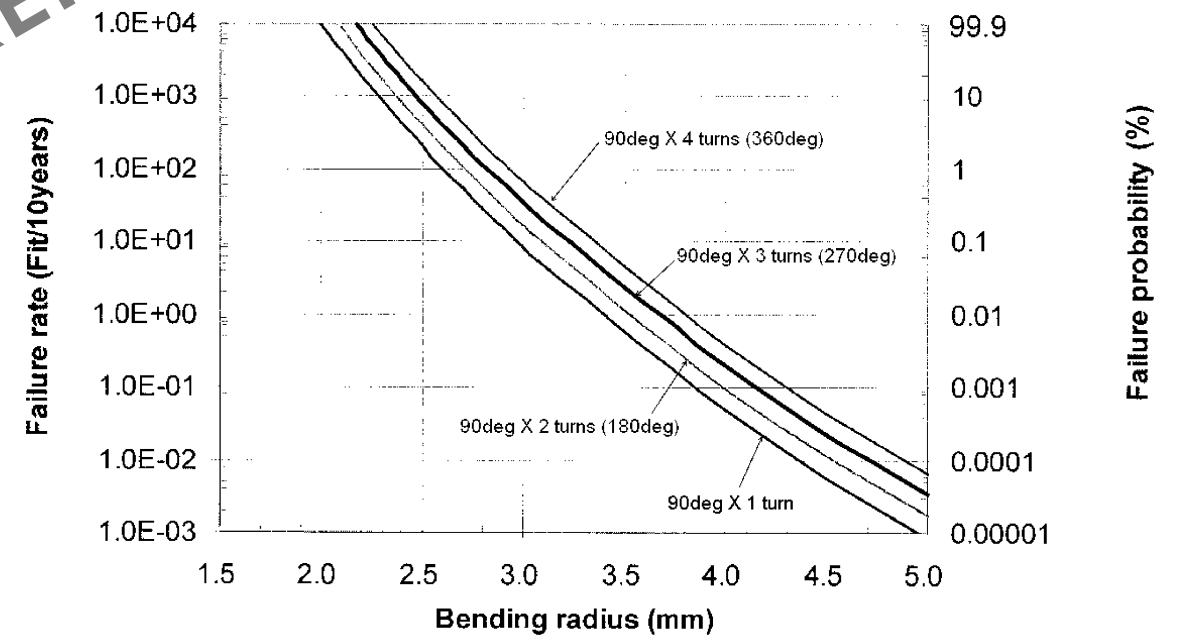
Tensile Strengthening Member

Material	Aramid Fiber (Kevlar)
Color	Yellow

Outer Jacket

Material	PVC
Outer Jacket Diameter	$2.8 \pm 0.2 \text{mm}$
Color	Orange

6 Reference Data --- Failure Rate of the Fiber During Static Bending



Note 5 The optical fiber coating contains dibutyltin compounds (DBT) less than 1000ppm as an intentionally-doped catalyser. REACH regurations restricts 1000ppm exceeding DBT.

6 The data is only for technical reference. The data shows the failure rate during static bending of the tight-buffered fiber that does not include outer jacket and strengthening member.

HRS

DRAWING NO.	EDC-391674-00-00
PART NO.	BF4-IR2LCD-01-1M
CODE NO.	CL0831-1273-0-00