Fiber To The Home Network Solution

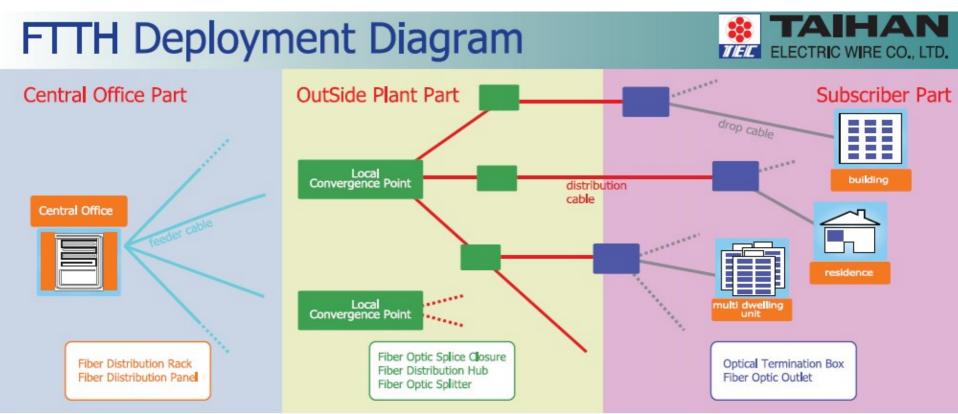
- ✓ Fiber Optic Splice System
 - ✓ Fiber Optic Termination System
 - ✓ Fiber Optic Distribution System
 - √ Fiber Optic Connectivity System

Issued By



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FTTH with TEC

Through diverse FTTH Projects, TEC already experienced many important factors. TEC has a long range of various products such as network equipment and outside plant solution and expects to be a leading solution provider in the world FTTH market. TEC pursues more advanced network environment, so tries to develop new products applies future technologies.



















OPTICAL DISTRIBUTION FRAME, DUAL SWING

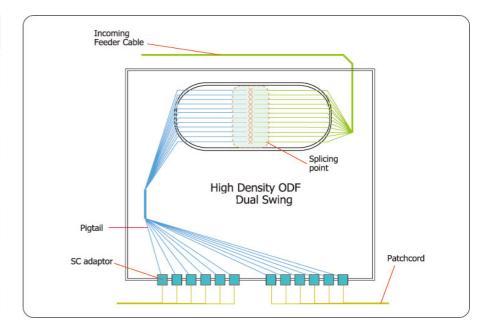




- > Accommodates 48 SC adaptors per 1U
- ➤ All operation can be done from the front side of frame
- > Quick and Efficient installation in compact space
- > Total radius control for maintaining transmission integrity
- > Fully controlled loose tube cables and jumper cords

435	44

Parameter	ODF, Dual Swing
Dimensions (Width X Height X Depth)	200mm X 125mmX 30 mm
Fiber Capacity	48 fibers
Unit	1U
Cable diameter	Ф8 to Ф32 mm
Number of Splice Tray	2
Splice Tray Capacity	24 fibers per tray
Adaptor Type	SC

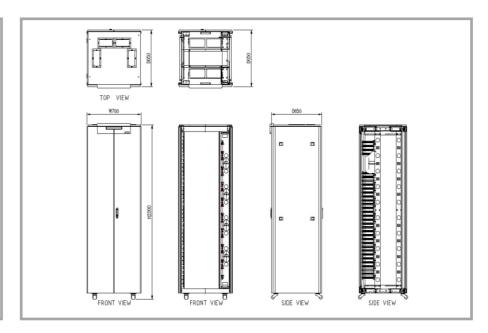


HIGH DENSITY FIBER DISTRIBUTION RACK





- > Convenient modular design
- ➤ Mounting Bracket fit into 19"
- > Front and rear steel doors are removable for quick & easy access



Parameter	HD FDR
Dimensions (Width X Height X Depth)	700 mm X 650 mm X 2000 mm
Unit	40U
Locking Type	Key lock
Patch Cord Guide	Both Side Mandrel
Side Door/ Rear Door	Separated
Rack Bar	19 inch
Earth Bar	Copper Terminal

FIBER OPTIC JOINT CLOSURE, SCB

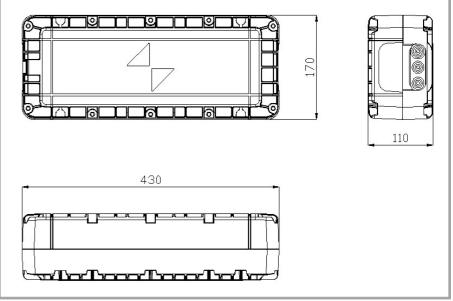




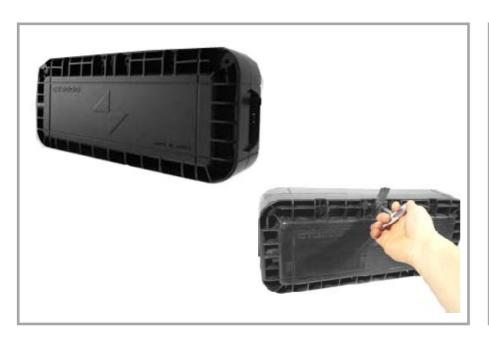
FOJC-SCB

- ➤ Bolt Type Locking System
- ➤ Ideal for aerial and underground application
- > Compact design and high strength
- ➤ Multiple Gaskets

Parameter				
	Dimensions (mm)	430(L) x 170(W) x 110(H)		
General	Weight	3.0kg		
	Capacity	Loose Tube: 144C		
Cable entry	Cable diameter	7-22mm		
File or Calico	Splice Capacity	48C		
Fiber Splice	No. of Splice Tray	3		
Closure Mount	Installation type	Outdoor		



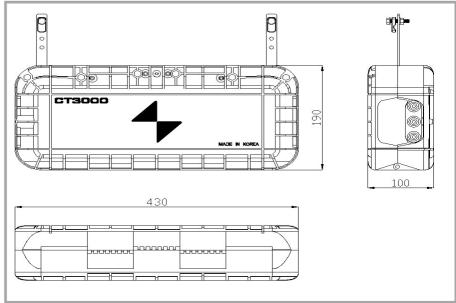




FOJC-SCNB

- ➤ Non-Bolt Type Handle Locking System, Quick & Easy installation
- > Free adjustable cable dia.
- > Multiple branch (combination of drop and feeder cables)
- > Available in any environment (Duct, Direct Buried, Aerial, Pole)
- > FTTx Networks

	Parameter	FOJC-SCNB
	Dimensions (mm)	430mm X 190 mm X 100 mm
General	Weight	4.0 kg
	Capacity	144C (Max.288C)
Cable entry	Cable diameter 7-22mm	
	Splice Capacity	48C
Fiber Splice	No. of Splice Tray	3(Std.) 6(Max.)
	Splice Method	Fusion/ Connector
Connector	No. of Optical Adaptor 16 SC Type	
General	Dimensions (mm)	430mm X 190 mm X 100 mm

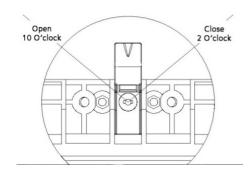








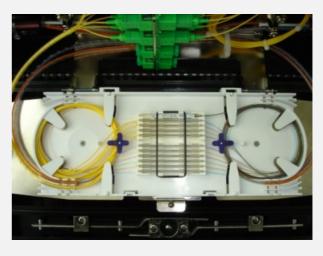




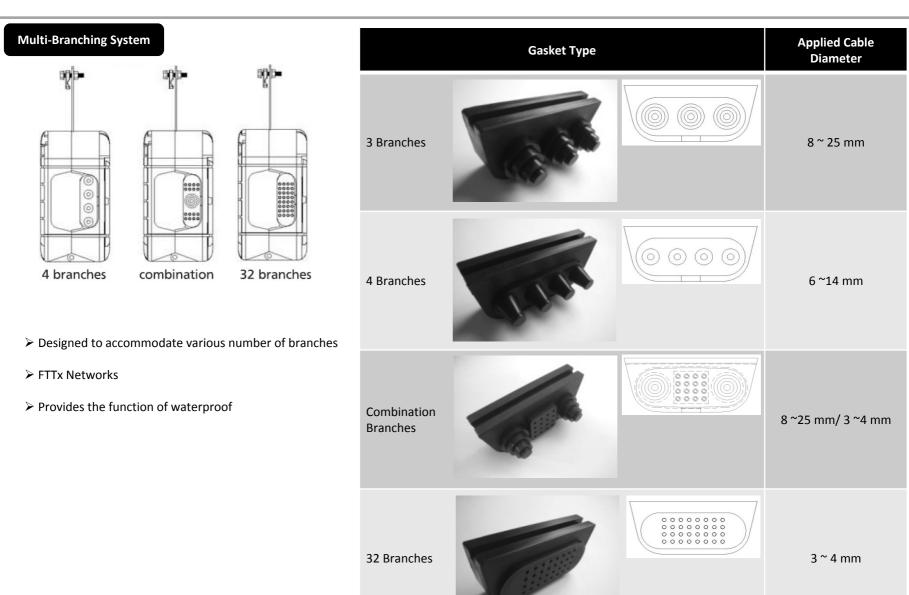
- > No need of bolts and nuts.
- ➤ Quick and Easy Installation.
- > Reducing accidents during aerial installation.

Connector Mounting



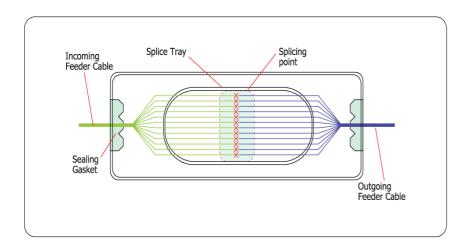






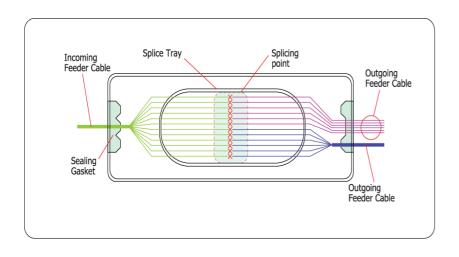


Feeder to Feeder





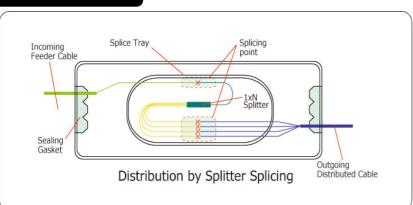
Feeder to Drop





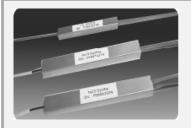








SPLITTER



Parameter	Unit	1x2	1x4	1x8	1x16	1x32	2x16	2x32
Operating Wavelength	Nm				1260 ~ 1640			
Insertion Loss (Max.)	dB	≤ 4.1	≤ 7.5	≤ 10.8	≤ 13.8	≤ 17.2	≤ 15.1	≤ 18.5
Uniformity	dB	≤ 0.6	≤ 0.8	≤ 1.0	≤ 1.5	≤ 1.8	≤ 2.0	≤ 2.5
PDL	dB	≤ 0.2	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.3	≤ 0.4	≤ 0.4
Return Loss	dB				≥ 55			
Directivity	dB				≥ 55			
Operating Temperature	dB				-40 ~ 85 ℃			
Storage Temperature	dB				-40 ~ 85 ℃			

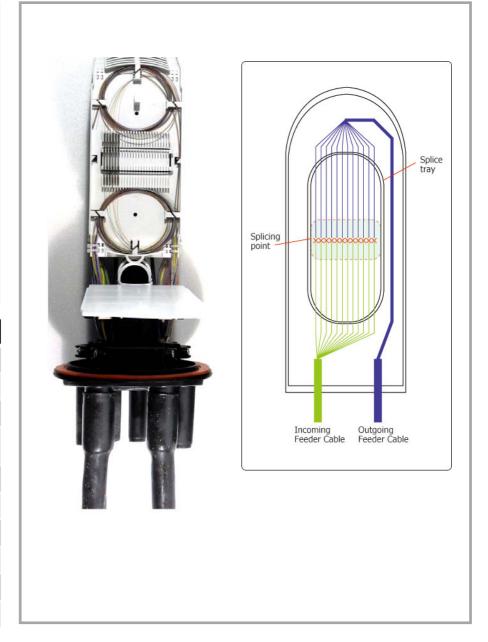




FIBER OPTIC JOINT CLOSURE, DOME



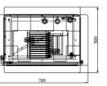
Parameter	FOJC-Dome
Dimension (H*R)	530mmxΦ160mm
Weight	3.5kg
Entrance	Single : 5 Oval : 1
Suitable cable dia.	Single: less than 25mm Oval:less than 33mm
Max. No. of Splice tray	6
Capacity of tray	24 cores(in case of stacking: 48 cores)
Max. Capacity	144 cores
Splice method	Fusion
Cable Blocking	Heat Shrinkable Tube
Material	PP, ABS



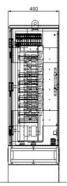
FIBER DISTRIBUTION CABINET





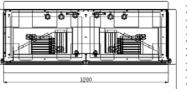




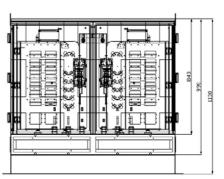


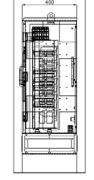


- ➤ Effective Design
- ➤ Simple and clear-arranged cable management
- ➤ Integrated slack storage spool
- ➤ All Front Access
- ➤ Accommodates up to 18 splitter modules
- ➤ Protected IEC 529 IP-54



- Enclosed Cabinet
- > Splitter Module Input
- Adaptor Panel
- Storage Panel
- ➤ Module Slot Output
- > Jumper Guide

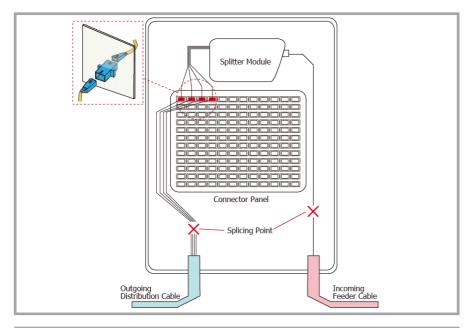


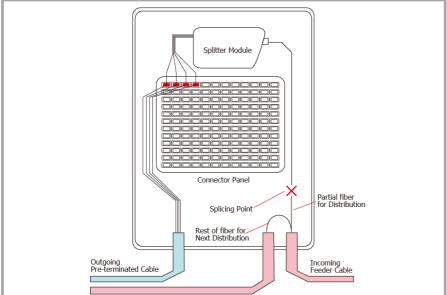


Parameter	FDC288	FDC432
Dimensions (Height X Width X Depth)	1240mm X 600 mm X 400 mm	1130mm X 1200 mm X 400 mm
Mounting Options	Ground	Ground
No. of Cable Entry	1	2
No. of Cable Entry	2	4
Cable dia. (Max.)	20	20
Splitter Module Slot	Max. 18	Max. 36
Applied splitter module	1x8 ~ 1x32	1x8 ~ 1x32
Adaptor Type	SC/ APC	SC/ APC
No. of Adaptor	288	432
Input Parking Lot	Max. 12	Max. 24
Output Parking Lot	Max. 48	Max. 96

FIBER DISTRIBUTION CABINET













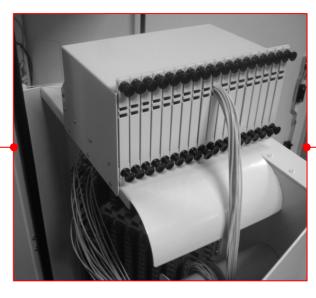
FIBER DISTRIBUTION CABINET

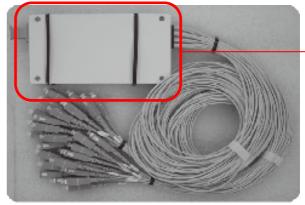




Parameter	Splitter Module	Remarks
Dimension (LxWxH)	150mm X 80 mm X 12mm	Splitter module case
Splitter type	1x4 ~ 1x32	PLC type
Input	SC/APC pigtail 1.5m, O.D 2mm	
Output	2mm Tight buffered tube	
Output cord length	1.5 mm	Allowance tolerance: ±5% mm
Connector/ Adaptor type	SC/APC	
Case material	Aluminum	
Case Color	lvory	

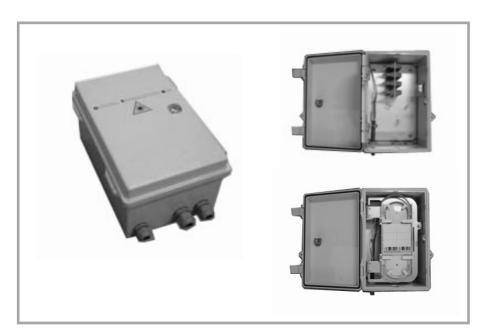
Splitter Module



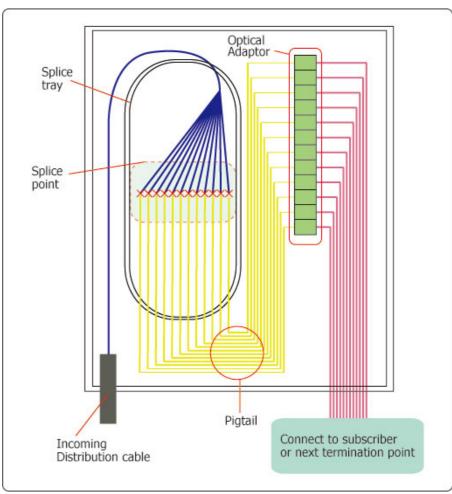


OPTICAL TERMINATION ENCLOSURE



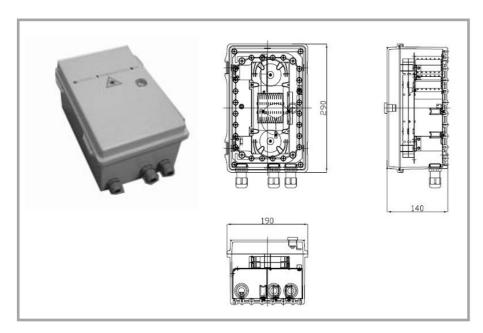


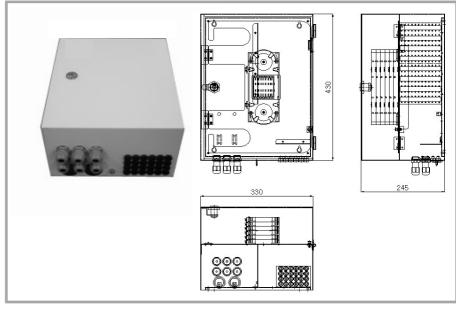




OPTICAL TERMINATION ENCLOSURE







Parameter		OTE-24C
Dimension (I	_XWxH)(mm)	290X190x140
Cable Entry	(In/Out)	1/2
Cable	In (mm)	8-12
Dia.	Out (mm)	25
Splice Method		Fusion/ Adaptor
No. of splice tray		1
Splice tray Capa.		24
SC/PC adaptor Capa.		24
Material		Plastic
Installation Type		Wall

Parar	neter	OTE-36	OTE-48	
Dimension (LXWxH)		360 x 260 x 160 mm		
Cable	In	2 6	ea	
entry	Out	Drop Cab Raiser Ca		
	In	20 r	nm	
Cable Dia.	Out	Drop Cable: 3.6 mm Raiser Cable: 10 mm		
Splice N	Method	Fus	ion	
Splitter Splice Tray Capa.		24 ea		
No	. of			
•	r Splice ay	3 ea	4 ea	
No. of SC	adaptor	36 ea	48 ea	
Installat	ion type	W	all	
Locking	Method	ITED Key lock type		
Mat	erial	SPCC		

HYBRID OUTLET BOX





Hybrid Outlet OLeT2H

Hybrid Outlet is well known solution for global market network of HFC and FTTx networks.

CT OLeT2H is for easy connection of optical connector, fiber splicing. In this type user can splice with drop cable to drop cable and drop cable to patchcord.



Hybrid Outlet OLeT8C

CT OLeT8C is splitter outlet which used in the Multi Dwelling Units(MDU). Using 1x8 or 1x4 splitter, this type can accommodate 8 SC patchcord splicing, useful for extending the subscriber.

Parameter	OLeT2H	OLeT8C	
Dimension (LxWxH)	120mm X 70 mm X 25mm	135mm X 170 mm X 45mm	
Adaptor Capacity	2 SC/ 1 RJ	8 SC	
Cable Port	1 in bottom/ 2 in rear side 3 in bottom side		
In/Out cable diameter	3 ~ 6 mm		
Body Material	Plastic		
Installation Type	Wall Type		

HYBRID OUTLET BOX

Routing Spool

SC Adaptor

Splicing point

Cable Fix part

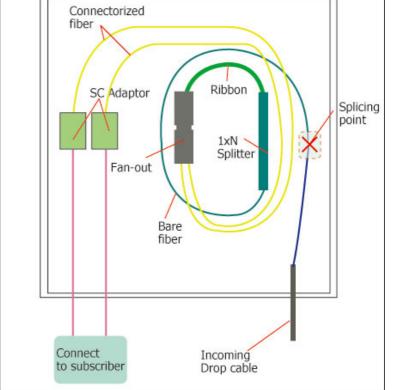




Pigtail

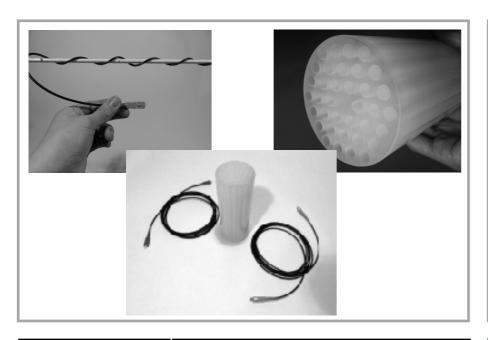
Connect

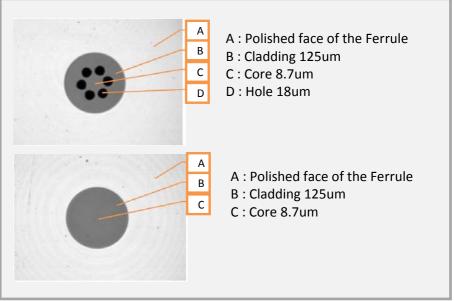
to subscriber



HOLEY CONNECTOR

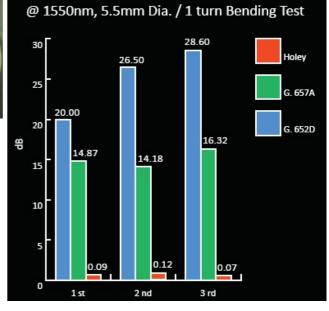






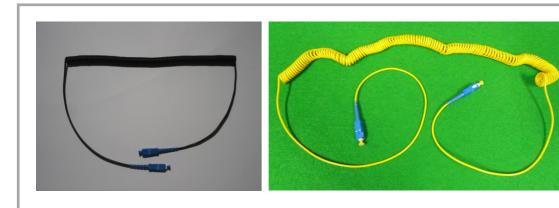
Parameter	Holey Connector						
Hole Size	21 um						
Loss (dB/km)	0.220 (1550nm)						
MFD	10.40						
Dispersion (1550nm)	17.73						
Bending Loss (dB/turn)	Carried out 10 times						
10mm Radius	< 0.01						
7.5mm Radius	< 0.01						
5 mm Radius	0.02						





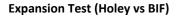
HOLEY CURLCORD

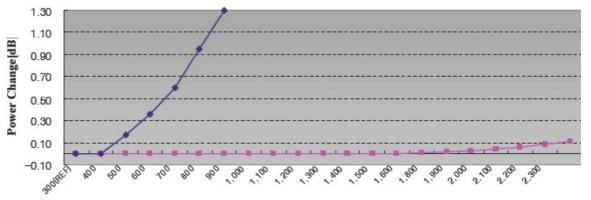




Reliability of optical curl cord-holey fiber

The trend of fiber optic components is smaller, followed product need to be differentiated by holey fiber. Experimental result of the output power variation of the curl cords with the expanded length change are shown below. According to the expansion test results, optical curl cord with holey fiber showed no power change. Wide variety of applications, such as car digital audio, factory automation and even in your personal computer.





Expansion Length of Curl Part

Expansion Length (mm)	300(1)	500	600	900	1500(5)	1600	1800(6)	2000	2100(7)	2200	2300(8)
Holey Fiber	0.00	0.00	0.00	0.00	0.00	0.010	0.020	0.045	0.060	0.085	0.115
BIF	0.00	0.36	0.60	1.30	-	-	-	-	-	-	-

(); repeated cycles, BIF: Bend Insensitive Fiber

^{**} According to the expansion test results, optical curl cord with holey fiber showed almost no power change.



Customized Solution Proposal

- ✓ Customized Manufacturing and Design
 - ✓ Product Consulting System
 - ✓ On-site Training Program Support
 - ✓ Establishment and Installation Movie offered
 - ✓ On-site Training Program Support

