SHENZHEN HBY ELECTRONICS CO.,LTD

I-112

FO Patch Cord

File No.: HBY-FTTH-22001

\sim											
Picture	DX button DX button Connector 01 Cable 03 Connector 02										
specifications	Category			Spec							
		NO:01		LC/UPC DX/MM Grey							
	Connector	NO:	02			LC/UPC	DX/MM	Grey			
ation				Fiber Type		ОМЗ	Dia	Diameter d			
ร	Cable	NO:	03	М	aterial	PVC	C	olor	Aqua		
	Material no.	Lengt	h(M)	QTY(PCS/	вох	F	Referen	ence Pictures			
Packaging information								AN .		COS STA	
									U	2 I	
	En	dface		A class	see table 01			f Curvature	7~25	100%	
information	En	dface		A class s < 0.3		3D	(7~25 < 50		
information					dB	3D	(Apex C	f Curvature mm)		100%	
information	Working ⁻	IL RL Temperat		< 0.3	dB	-40 °C 1	(Apex C Fiber ⊦ to +85 ℃	f Curvature mm) Offset(um)	< 50	100%	
	Working ⁻ Storage ⁻	IL RL Temperat Femperat		< 0.3 > 50	dB dB	-40 °C 1 -40 °C 1	(Apex C Fiber H to +85 °C to +85 °C	f Curvature mm) Offset(um) High(nm)	< 50 ±50	100%	
information	Working ⁻ Storage ⁻	IL RL Temperat		< 0.3 > 50	dB dB	-40 °C 1	(Apex C Fiber H to +85 °C to +85 °C	f Curvature mm) Offset(um) High(nm)	< 50 ±50	100%	
information performance	Working ⁻ Storage 1 Hu	IL RL Temperat Gemperat mdity Clas		< 0.3 > 50 ca	dB dB an work unde	-40 °C 1 -40 °C 1	(Apex C Fiber H to +85 °C to +85 °C humdity en	f Curvature mm) Dffset(um) High(nm)	< 50 ±50	100% 95% 90%	
information	Working ⁻ Storage ⁻	IL RL Temperat Gemperat mdity Clas	ure s A sta	< 0.3 > 50 ca	dB dB an work unde	-40 °C a -40 °C a r 95% relative	(Apex C Fiber H to +85 °C to +85 °C humdity en	f Curvature mm) Dffset(um) High(nm)	< 50 ±50	100% 95% 90%	
information performance Table 01	Working ⁻ Storage 1 Hu	IL RL Temperat Gemperat mdity Clas	ure s A sta excelle Dirty	< 0.3 > 50 ca indard nt)	dB dB an work unde Class	-40 °C a -40 °C a r 95% relative B standard (G	(Apex C Fiber H to +85 °C to +85 °C humdity en	f Curvature mm) Offset(um) High(nm) Vironment n Class	< 50 ±50	100% 95% 90%	
information performance Table 01 endface	Working ⁻ Storage ⁻ Hu Area	IL RL Temperat Gemperat mdity Clas (0 Scratch	ure s A sta excelle Dirty spots	< 0.3 > 50 ca indard nt) Crack	dB dB an work unde Class Scratch	-40 °C i -40 °C i r 95% relative B standard (G Dirty spots	(Apex C Fiber F to +85 °C humdity en ood) Crack	f Curvature mm) Offset(um) High(nm) vironment m Class Scratch	< 50 ±50 ormally C standard((100% 95% 90%	
information performance Table 01	Working ⁻ Storage ⁻ Hu Area	IL RL Temperati mdity Clas ((Scratch <i>NO</i>	ure s A sta excelle Dirty spots <i>NO</i>	< 0.3 > 50 ca indard nt) Crack NO	dB dB an work unde Class Scratch NO	-40 °C i -40 °C i r 95% relative B standard (G Dirty spots NO	(Apex C Fiber H to +85 °C to +85 °C humdity en ood) Crack NO	f Curvature mm) Offset(um) High(nm) Vironment n Class Scratch NO	< 50 ±50 ormally C standard((Dirty spots NO	100% 95% 90% Qualified) Crack NO	

Loss should be within the following limits in reference to the initial value

The difference between Initial Value and final test value should be \leq 0.30 dB, **0** Return loss should be \geq 50 dB

Insert/Pull Test	٠	Number of Pull/Insert: 500 times	chnical Performa
	٠	Record a data every 10 times	
	٠	Data is recorded 50 times in total	
	٠	Clean pins and adapter's elastic sleeve before recording very time, • Not mechanical damage, a deformation, loss, corrosion, relaxation and other phenomena	such as
Tensile	٠	Load:50N	chnical Performa
	٠	Tensile variation in process of testing: 1N/S	
Requirements	٠	Duration:60s	
ents	٠	Tensile Point:0.22-0.28m distance from fiber cable ends	
Tors		Applied force: 15N	chnical Performa
ion Re	•	The distance between the Torsion point and Connector is 0.2cm	
Torsion Requirements	•	Max Torsion Angle: ±180°	
ments	•	Number of torsions:25 times	
Hig	•	High Temperature=+75 $^\circ$ C , Temperature rate of change:1 $^\circ$ C / min	chnical Performa
High and Te	•	Low Temperature=-25 $^\circ$ C , Temperature rate of change 1 $^\circ$ C / min	
Low €st R	٠	High and low temperature points to stay four hours separately	
Temperature lequirements	٠	Duration: 96h	
rature nents	٠	Cycles: 12 times	
• Cycling	٠	Keep 2 hours at 25° ,then test	
	•	Insertion value should be tested at least one time per 10 mins. in process of testing.	
Low Temperature Requirements	٠	Temperature=-25°C ±2°C	chnical Performa
	٠	Duration:96H	
	٠	2 hours returned to 25° C	
	٠	Test after Keeping 2 hours at 25℃	
	٠	Insertion value should be tested at least one time per 60 mins. in process of testing.	

H	٠	Temperature=+75°C ±2°C	chnical Performa
gh Te Requi	٠	Duration:96H	
igh Temperature Requirements	٠	2 hours returned to 25° C	
ture Its	٠	Test after Keeping 2 hours at 25℃	
	٠	Insertion value should be tested at least one time per 60 mins. in process of testing.	
Hum	٠	Temperature=+40 °C ±2°C	chnical Performa
idity F	٠	humidity =93% ±5%RH	
Requir	٠	Duration:96H	
Humidity Requirements	٠	Test after Keeping 2 hours at 25°C	
5	٠	Insertion value should be tested at least one time per 60 mins. in process of testing.	
Water Immersion Requirements	٠	elevation of water:150mm	chnical Performa
	٠	Temperature:room temperature/running water	
	٠	Soaking time:168 h	
	•	Insertion value should be tested at least one time per 10 mins. in process of testing.	