



specifications	Category		Spec				Remarks
	Connector	NO:01	LC/APC DX/SM Green				
		NO:02	LC/APC DX/SM Green				
	Cable	NO:03	Fiber Type	G657A1	Diameter	Φ3.0mm	
			Material	PVC	Color	Yellow	

Packaging information	Material no.	Length(M)	QTY(PCS/BOX)	Reference Pictures	
	TX-DX-36	3.0 ±0.03	250		

performance	Endface	A class see table 01	3D	Radius of Curvature (mm)	7 ~ 25	100%	
	IL	< 0.3 dB		Apex Offset(um)	< 50	95%	
	RL	> 50 dB		Fiber High(nm)	±50	90%	
	Working Temperature	-40 ℃ to +85 ℃					
	Storage Temperature	-40 ℃ to +85 ℃					
	Humdity	can work under 95% relative humidity environment normally					

Table 01 endface Requirements	Area	Class A standard (excellent)			Class B standard (Good)			Class C standard(Qualified)		
		Scratch	Dirty spots	Crack	Scratch	Dirty spots	Crack	Scratch	Dirty spots	Crack
	① area:	NO	NO	NO	NO	NO	NO	NO	NO	NO
	② area:	NO	NO	NO	NO	NO	NO	NO	NO	NO
	③ area:	NO	NO	NO	1um 1pc allowed	1um 1pc allowed	1um 1pc allowed	1um 1pc allowed	1um 2pcs allowed	1um 2pcs allowed
	④ area:	NO	NO	NO	1um 1pc allowed	1um 1pc allowed	1um 1pc allowed	1um 1pc allowed	1um 2pcs allowed	1um 2pcs allowed

The following tests must meet this result

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

The difference between Initial Value and final test value should be ≤0.30 dB, ① Return loss should be ≥50 dB

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

High Temperature Requirements	◆ Temperature=+75℃ ±2℃ ◆ Duration:96H ◆ 2 hours returned to 25℃ ◆ Test after Keeping 2 hours at 25℃ ◆ Insertion value should be tested at least one time per 60 mins. in process of testing. Technical Performance
Humidity Requirements	◆ Temperature=+40℃ ±2℃ ◆ humidity =93% ±5%RH ◆ Duration:96H ◆ Test after Keeping 2 hours at 25℃ ◆ Insertion value should be tested at least one time per 60 mins. in process of testing. Technical Performance
Water Immersion Requirements	◆ elevation of water:150mm ◆ Temperature:room temperature/running water ◆ Soaking time:168 h ◆ Insertion value should be tested at least one time per 10 mins. in process of testing. Technical Performance