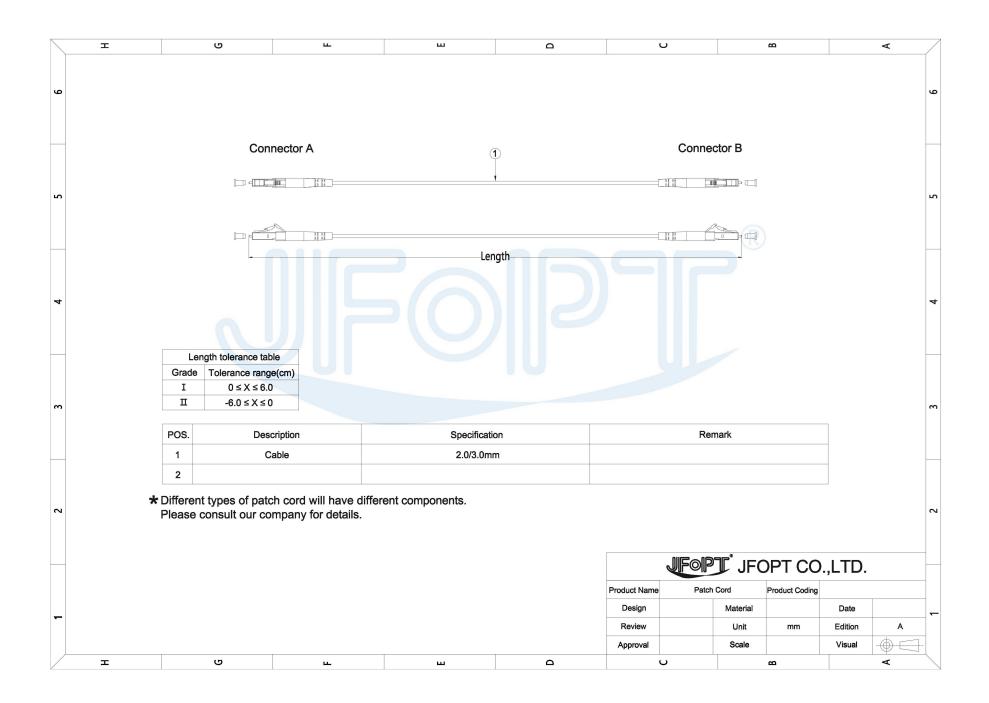
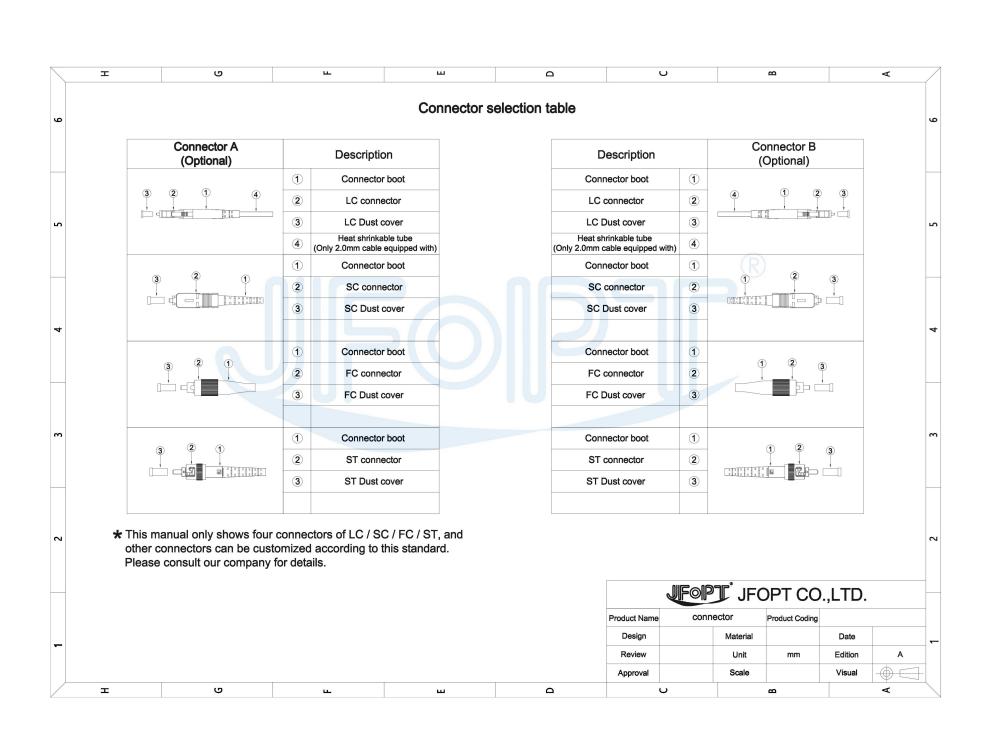
Revision: A/0

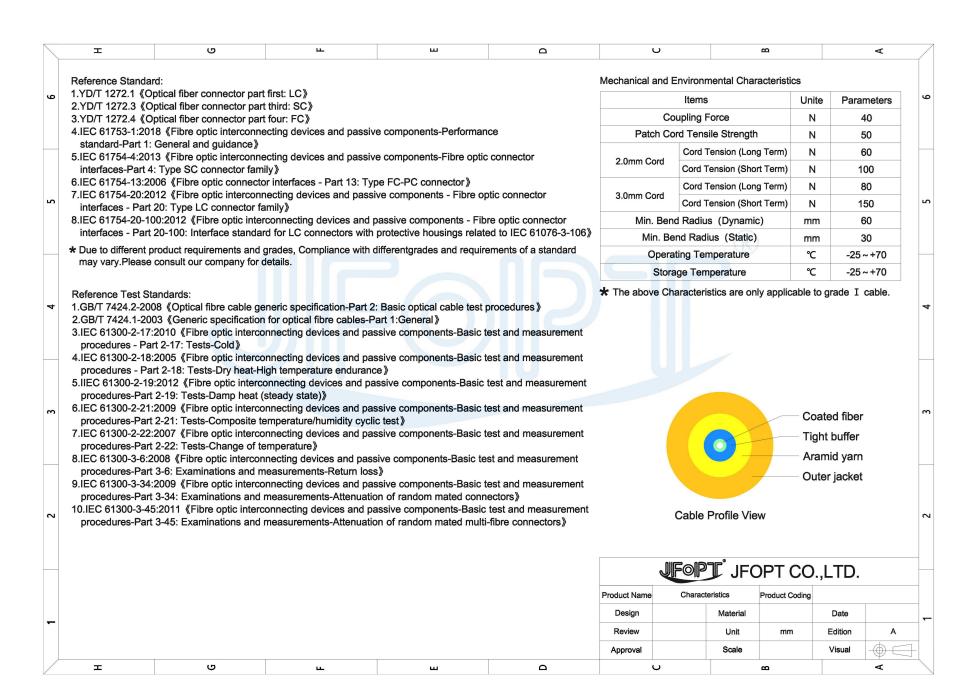


## PRODUCT SPECIFICATION SIMPLEX PATCH CORD

Author	Auditor	Approver







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Region A (0-65um)  Region B (65-120um)  Region C (120-130um)  Region D (130-250um)  Not allow >10um No loose particles and cavities  No breakage and crack  An observable (inser), it refers to the width; for speckles, fragments and particles (non linear), it refers to the maximum diameter; there shall be no cracks in the optical fiber area.  3. There shall be no massive piece stains, fragments, grinding residues, etc outside the contact area.  4. The removable dirt and loose particles on the end face of the insert core must be removed as far as possible. All the allowed defect connectors shall not exceed  15% of the total number.  Redius of curvature (mm) 10-25 7-25 5-12  Apex offset (um) 550 530  Fiber Depressed (mm) 550 530	End Face Requir	rement									
Region B   No black scratches allowed,   Allow three speckles and the diameters2um.   Region B   (65-120um)   No black scratches allowed,   Allow skw white scratchs and the widths2um.   Allow skw white scratchs and the widths2um.   Region C   (120-130um)   Single Mode: Allow apron which aperture width less than 5um and the length of the eapron is less than 1/3 of the perimeter of the fiber end.   Multi mode: Allow apron which aperture width less than 2um, and the length of the apron is less than 1/3 of the perimeter of the fiber end.   No breakage and crack   No breakage an	Region	Scratch		Speci	kle	Other					
Region C (120-130um)   Allow six white scratchs and the widths2um.   No breakage and crack   Single Mode: Allow apron which aperture width less than 5um; and the length of the apron is less than 1/3 of the perimeter of the fiber end.   No breakage and crack   No brea			None		None		Facula even and round、r	even and round、no crack			
Region C (120-130um) Multi mode: Allow apron is less than 1/3 of the perimeter of the fiber end.  Region D (130-250um) Not allow >10um No lose particles and cavities No breakage and crack  Region D (130-250um) Not allow >10um No lose particles and cavities No breakage and crack  1.Inspection equipment requirements: Optical fiber end face detector more than 200 times.  2.For scratches (linear), it refers to the width; for speckles, fragments and particles (non linear), it refers to the maximum diameter; there shall be no cracks in the optical fiber area.  3.There shall be no massive piece stains, fragments, grinding residues, etc outside the contact area.  4.The removable dirt and loose particles on the end face of the insert core must be removed as far as possible. All the allowed defect connectors shall not exceed 15% of the total number.  Geometric Dimensions Requirement  PC, UPC APC SM MM M				ridth≤2um. A	Allow three speckles and	d the diameter≤2um.	No breakage and crack				
1.Inspection equipment requirements: Optical fiber end face detector more than 200 times.  2.For scratches (linear), it refers to the width; for speckles, fragments and particles (non linear), it refers to the maximum diameter; there shall be no cracks in the optical fiber area.  3.There shall be no massive piece stains, fragments, grinding residues, etc outside the contact area.  4.The removable dirt and loose particles on the end face of the insert core must be removed as far as possible. All the allowed defect connectors shall not exceed 15% of the total number.  C  Geometric Dimensions Requirement    PC, UPC		of the Multi mode: Allow	e apron is less that apron which ape	han 1/3 of the erture width le	e perimeter of the fiber e ess than 2um;and the le	end. ength	No breakage and crack	R			
2.For scratches (linear), it refers to the width; for speckles, fragments and particles (non linear), it refers to the maximum diameter; there shall be no cracks in the optical fiber area.  3.There shall be no massive piece stains, fragments, grinding residues, etc outside the contact area.  4.The removable dirt and loose particles on the end face of the insert core must be removed as far as possible. All the allowed defect connectors shall not exceed 15% of the total number.  C  Geometric Dimensions Requirement  PC, UPC   APC   LC   SC, FC   LC   SM   MM   SM   SM   SM   MM   SM		Not a	llow >10um		No loose particle	s and cavities	No breakage and crack				
4. The removable dirt and loose particles on the end face of the insert core must be removed as far as possible. All the allowed defect connectors shall not exceed 15% of the total number.  Geometric Dimensions Requirement  PC, UPC APC  Items SC, FC, ST LC SC, FC LC  SM MM SM MM SM MM  Radius of curvature (mm) 10-25 7-25 5-12  Apex offset (um) \$\frac{1}{2}\$50 \$\frac{1}{2}\$0  Angle deviation (*) 0 \$\frac{8}{2}\$0.5 \$\frac{1}{2}\$0.5 \$\frac{1}{2}\$0	2.For scratches it refers to the	(linear), it refers t maximum diame	to the width;	for speckle	es, fragments and	particles (non line					
Radius of curvature (mm)   10-25   7-25   5-12     Apex offset (um)   \$\leq 50   \$\leq 30     Fiber Depressed (nm)   \$\leq 100     Angle deviation (°)   0   8±0.3     Bond angle deviation (°)   0   \$\leq 10.5     Fiber diameter (um)   123-135     Fiber is optional.			e stains, frag	gments, gri	inding residues, etc					_A	
Items	outside the cor 4.The removable be removed as	ntact area. e dirt and loose p s far as possible.	articles on th	ne end face	e of the insert core	must				В	
SM         MM         SM         MM         SM         MM           Radius of curvature (mm)         10-25         7-25         5-12           Apex offset (um)         ≤50         ≤30           Fiber Depressed (nm)         ±100           Angle deviation (°)         0         8±0.3           Bond angle deviation (°)         0         ±0.5           Fiber diameter (um)         123-135   Product Name end face Product Coding Design Material Date  Review Unit mm Edition	outside the cor 4.The removable be removed as 15% of the tota	ntact area. e dirt and loose p s far as possible. al number.	articles on th All the allow	ne end face	e of the insert core	must				В — С	
Radius of curvature (mm) 10-25 7-25 5-12  Apex offset (um) ≤50 ≤30  Fiber Depressed (nm) ±100  Angle deviation (°) 0 8±0.3  Bond angle deviation (°) 0 ±0.5  Fiber diameter (um) 123-135  This item is optional.	outside the cor 4.The removable be removed as 15% of the tota	ntact area. e dirt and loose p s far as possible. al number.	earticles on th All the allow	ne end face	e of the insert core connectors shall no	must				В — С	
Apex offset (um)   Fiber Depressed (nm)   Angle deviation (°) 0   Bond angle deviation (°) 0   Fiber diameter (um)   This item is optional.	outside the cor 4. The removable be removed as 15% of the total Geometric Dimer	ntact area. e dirt and loose p s far as possible. al number. nsions Requirements	ent  PC, UPC ST	ne end face ed defect o	e of the insert core connectors shall no	must		End face		В — С	
Fiber Depressed (nm) ±100  Angle deviation (°) 0 8±0.3  Bond angle deviation (°) 0 ±0.5  Fiber diameter (um) 123-135  This item is optional.	outside the cor 4.The removable be removed as 15% of the tota  Geometric Dimer	ntact area. e dirt and loose p s far as possible. al number.  nsions Requirem  SC, FC, SM	ent  PC, UPC  ST  MM SM	ne end face ed defect of LC MM	APC SC, FC LC SM MM	must		End face		В — С	
Angle deviation (°)  Bond angle deviation (°)  Fiber diameter (um)  123-135  This item is optional.	outside the cor  4. The removable be removed as 15% of the total  Geometric Dimer  Items  Radius of curvature	ntact area. e dirt and loose p s far as possible. al number.  sc. FC. SM 10-25	ent  PC, UPC ST  MM SM	ne end face ed defect of LC MM	APC SC, FC LC SM MM 5-12	must		End face		В — С	
Bond angle deviation (°) 0 ±0.5  Fiber diameter (um) 123-135  Product Name end face Product Coding  Design Material Date  This item is optional.	outside the cor 4. The removable be removed as 15% of the tota  Geometric Dimer  Items  Radius of curvature Apex offset (un	ntact area. e dirt and loose p s far as possible. al number.  SC, FC, SM  10-25 n)	ent  PC, UPC ST  MM SM	LC MM	APC SC, FC LC SM MM 5-12	must				B — C — D	
Fiber diameter (um)  123-135  Design Material Date  This item is optional.  Review Unit mm Edition	outside the cor 4. The removable be removed as 15% of the tota  Geometric Dimer  Items  Radius of curvature  Apex offset (un Fiber Depressed (	ntact area. e dirt and loose p s far as possible. al number.  SC. FC. SM 10-25 n) (nm)	ent PC, UPC ST MM SM	LC MM	APC SC, FC LC SM MM 5-12 ≤30	must			OPT CO.	B — C — D	
This item is optional.	outside the cor 4. The removable be removed as 15% of the tota  Geometric Dimer  Items  Radius of curvature Apex offset (un Fiber Depressed ( Angle deviation	ntact area. e dirt and loose p s far as possible. al number.  sc. FC. SM (mm) 10-25 n) (nm)	ent PC, UPC ST MM SM  ≤50	LC MM	APC SC, FC LC SM MM 5-12 ≤30 8±0.3	must	Productive Name			B — C — D	
	outside the cor 4. The removable be removed as 15% of the tota  Geometric Dimer  Items  Radius of curvature Apex offset (un Fiber Depressed ( Angle deviation Bond angle deviation	ntact area. e dirt and loose p s far as possible. al number.  sc. FC. SM 10-25 n) (nm) (nm) (°)	ent  PC, UPC  ST  MM SM  ≤50  0	LC MM 7-25	APC SC, FC LC SM MM 5-12 ≤30 8±0.3	must		PPT JFC		B C D	
Please consult our company for details.	outside the cor 4. The removable be removed as 15% of the tota  Geometric Dimer  Items  Radius of curvature Apex offset (un Fiber Depressed ( Angle deviation Bond angle deviatio Fiber diameter (u	ntact area. e dirt and loose p s far as possible. al number.  SC, FC, SM 10-25 n) (nm) (°) on (°)	ent  PC, UPC  ST  MM SM  ≤50  0	LC MM 7-25	APC SC, FC LC SM MM 5-12 ≤30 8±0.3	must	Design	end face  Material	Product Coding	B C D	

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