

NEX1 Technologies CO., Ltd.

Optical Fiber Patch Cord QC Flow Chart

APPROVED	REVIEWED	PREPARED

Production flow			Quality control items		Quality control contents					
Flow chart	Procedures	Equipments	Quality Characteristics	Specifications	Interval	Sampling	Test methods	Recordings	Guideline	Controllers
△	1. Parts/ components distribution	---	Parts confirmation, specifications, quantity	Customer's order	---	---	Visual inspection	---	---	Inventory control
○	2. Cable cutting	Cutting machine	Length	Standard operation guide, customer's order	---	---	Tape measure	---	Cable cutting	Assembly worker
○	3. Parts insertion	---	Parts items, parts arrangement consequence	Standard operation guide	---	---	Visual inspection	---	Parts insertion	Assembly worker
○	4. Adhesive preparation	Foam separator, electronic scale	Time, pressure	Standard operation guide	---	---	Visual inspection	---	Adhesive preparation	Assembly worker
○	5. Adhesive toasting	Toaster	Temperature, time	Standard operation guide	---	---	Visual inspection	---	Adhesive toasting	Assembly worker
○	6. Polishing	Polishing machine	Time, pressure, spinning speed, polishing blade	Standard operation guide	---	---	---	---	Polishing	Assembly worker
◇	7. Sectional inspection	Sectional inspection scope	Section outer appearance	Standard operation guide	Total quality control (T.Q.C)	NA	X 400 micro-scope visual inspection	Polishing data recording	Sectional inspection	Assembly worker
○	8. Assembly	Pliers	Outer appearance	Standard operation guide	---	---	Visual inspection	---	Assembly	Assembly worker
◇	9. Optical characteristic test	JDS	Insertion loss, Reflection loss	Standard operation guide	Total quality control (T.Q.C)	NA	Measurements	---	Test	Assembly worker
◇	10. Sectional inspection	Sectional inspection scope	Section outer appearance	Standard operation guide	Total quality control (T.Q.C)	NA	X 400 micro-scope visual inspection	---	Sectional inspection	Assembly worker
◇	11. Packing	---	Quantity, labeling, numbering ring	Standard operation guide	Total quality control (T.Q.C)	NA	Visual inspection	---	Packing	Assembly worker
□	12. Final inspection	---	Outer appearance, quantity	Standard operation guide	Total quality control (T.Q.C)	NA	Visual inspection	Final inspection report	---	Quality assurance
▽	13. Shipping	---	---	---	---	---	---	---	---	Sales representative
Flow marks	Production	Processing	Version	Date	Summaries of the revision					Revised by
	Quantity inspection	Quality inspection	Yield	2.0	96.7.2	Updated revised version				