Communication Markets Division

3M™ No Polish LC/UPC Connector

Singlemode and Multimode 250 µm/ 900 µm

3M™ No Polish LC Connector provides fast on-site termination of 250 µm and 900 µm terminations utilizing a one-piece, pre-assembled design.

The LC compatible connector consists of a factory-polished fiber/ferrule assembly and a mechanical splice that is terminated with a simple field tool. To maximize field installation yield, the splice in the connector can be opened and reused with a cap lifter, which is integrated with dust cap. The streamlined boot is attached to the connector body, minimizing the chance of losing it during the termination process. After the installation, the boot keeps the fiber from kinking, even during side pull.

On the 3M™ No Polish LC Connector Assembly Tool 8835-AT, the connector receptacle is hinged allowing for easy insertion and removal of the LC NPC connector.

3M™ No Polish LC/UPC Connector Family

The LC NPC Connector is tested for FTTP and Premises applications for indoor and outdoor locations and is RoHS compliant.*

Features	Benefits
Field termination	Right cable length with virtually no cable slack to store
One-piece, pre-assembled design	No small, loose parts
Duplexing capability built into connector design	Separate duplex clip unnecessary
Factory-polished fiber stub	No on-site polish or adhesives required
900 µm buffer strain relief	Excellent pull out strength
Simple assembly tool	Fast and easy installation
Fiber holder for assembly	Aligns and guides fiber into connector with optimal insertion force

Close up of 3M™ No Polish LC Connector
Assembly Tool 250/900 8835-AT

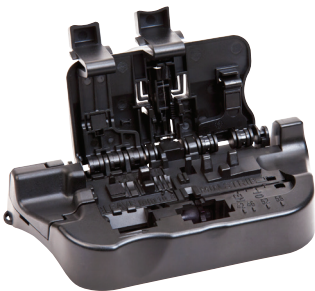**3M™ No Polish LC Connector Specifications**

	Multimode 6830-50	Multimode 6830-50/LOMFF	Multimode 6830-62.5	Singlemode 8830
Insertion Loss (dB) typical	0.2	0.2	0.2	0.3
Reflectance (dB) typical at room temp	<-30	<-30	<-25	<-40
Reflectance (dB) over operating temperature range	<-30	<-30	<-25	<-35
Operating temperature range (°C)	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-40°C to 75°C
Storage temperature (°C)	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C

Connector identification
  Backbone
  Housing
  Boot
	Black
	Black
	White
		Black
		Aqua
		White
			Black
			Beige
			White
				Black
				Blue
				White

Field termination kit (no power needed)	8865-C	8865-C	8865-C	8865-C

The 3M™ No Polish Connector Kit with Cleaver 8865-C includes all tools necessary for termination

The 3M™ No Polish Connector Premium Kit with 3M Cleaver 8865-C/PR

3M™ Easy Cleaver is conveniently included in select packages of 3M™ No Polish LC Connectors

Ordering Information - 3M™ No Polish Connectors

Product Number	Connector, Kit and Tool Descriptions	Packaging	3M ID
6830-50	No Polish LC Connector MM 50 µm 250/900 µm with tool (black trigger)	60/package	80-6113-2773-7
6830-50/LOMMF	No Polish LC Connector MM 50 µm LOMMF 250/900 µm with tool (aqua trigger)	60/package	80-6113-2774-5
6830-62.5	No Polish LC Connector MM 62.5 µm 250/900 µm with tool (beige trigger)	60/package	80-6113-2775-2
8830	No Polish LC Connector SM 250/900 µm with tool (blue trigger)	60/package	80-6113-2776-0
8835-AT	No Polish LC Connector Assembly Tool 250/900 µm	1/package	80-6113-2797-6
8865-C	No Polish Connector Preparation Kit with cleaver	1/package	80-6113-2379-3
8865	No Polish Connector Kit without cleaver	1/package	80-6113-23785
8865/PR	No Polish Premium Premium Kit without cleaver	1/package	80-6114-82961
8865-C/PR	No Polish Connector Premium Kit with cleaver	1/package	80-6113-8783-0

Connectors with Easy Cleaver

8830/C	No Polish LC/UPC Connector SM with 3M™ Easy Cleaver	120/box	80-6114-9415-6
6830-50/C_60	No Polish LC Connector MM 50 µm with 3M Easy Cleaver	60/box	80-6114-9425-5
6830-50LOMMF/C_60	No Polish LC Connector MM 50 µm laser optimized with 3M Easy Cleaver	60/box	80-6114-9426-3
6830-62.5/C_60	No Polish LC Connector MM 62.5 µm with 3M Easy Cleaver	60/box	80-6114-9427-1

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