

Communication Markets Division

# 3M™ No Polish Jacketed LC/UPC Connector

## For Use with 1.6 to 2.0 mm Jacketed Cable

3M™ No Polish Jacketed LC/UPC Connector enables fast, on-site termination of bend insensitive singlemode and multimode fiber in 1.6 to 2.0 mm jacketed cables.

The LC/UPC compatible connector consists of a factory-polished ferrule/fiber stub assembly and integral mechanical splice, and can be installed without a separate assembly tool. A twist-on, hard shell boot is used to clamp onto the cable jacket and aramid yarn to provide excellent strain relief.

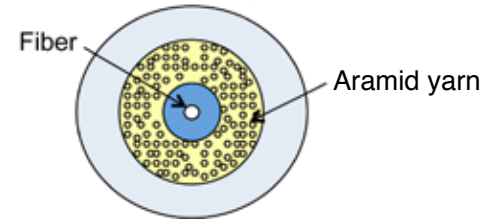
To maximize termination yield, the integral splice can be opened and reused up to five times with a cap lifter, which is integrated into every ferrule dust cap.

3M™ No Polish Jacketed Connectors are RoHS compliant.\*



3M™ No Polish Jacketed LC/UPC Connector Family

Features	Benefits
Field termination	The right cable length with virtually no cable slack to store
Multiple cable configurations	Four versions fit 1.6 to 2 mm jacketed cable
No assembly tool	Fast, easy installation
Cable jacket & aramid fiber clamps	Excellent pull out strength



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

Cross-sectional view of kink resistant cable (1.6 to 2 mm diameter)

Specifications							
Cable sizes	1.6 to 2 mm jacketed cable with aramid yarn 900 μm tight buffered fiber						
Coating diameter	250 μm/900 μm PVC buffer						
Fiber type	Multimode fiber or G.657 ITU compliant singlemode fiber with minimum bend radius of 15 mm or less						
Dimensions	11.4 × 8.4 × 50.1 mm (0.45" × 0.33" × 1.97")**						
Materials	<table border="0"> <tr> <td>Connector ferrule</td> <td>Zirconia ceramic</td> </tr> <tr> <td>Splice element</td> <td>Aluminum</td> </tr> <tr> <td>Connector housing and boot</td> <td>Engineered resin</td> </tr> </table>	Connector ferrule	Zirconia ceramic	Splice element	Aluminum	Connector housing and boot	Engineered resin
Connector ferrule	Zirconia ceramic						
Splice element	Aluminum						
Connector housing and boot	Engineered resin						

\*\* A flexible tube is slipped over the cable, which extends 15 mm (0.59") beyond the boot.

### 3M™ No Polish Jacketed LC/UPC Connector Specifications

	Multimode 6832-T/50/1.6-3	Multimode 6832-T/50/LOMMF/1.6-3	Multimode 6832-T/62.5/1.6-2	Singlemode 8832-T/1.6-3
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	-10°C to 60°C
Storage temperature (°C)	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C	-10°C to 60°C
Connector identification	black/white	aqua/white	beige/white	blue/white

## Ordering Information - 3M™ No Polish Connectors

Product Number	Product Descriptions	Packaging	3M ID
8832-T/1.6-2	No Polish Connector SM LC 1.6-2 mm Jacket	60/package	80-6113-9839-9
6832-T/50/1.6-2	No Polish Connector LC MM 50 µm 1.6-2 mm Jacket	60/package	80-6113-9840-7
6832-T/50/LOMMF/1.6-2	No Polish Connector LC MM 50 µm LOMMF 1.6-2 mm Jacket	60/package	80-6113-9841-5
6832-T/62.5/1.6-2	No Polish Connector LC MM 62.5 µm 1.6-2 mm Jacket	60/package	80-6113-9842-3
8865	No Polish Connector Kit without Cleaver		80-6113-23785
8865/PR	No Polish Premium Kit without Cleaver		80-6114-82961
8865-C	No Polish Connector Preparation Kit with Flat Cleaver	1/package	80-6113-2379-3
8865-C/PR	No Polish Connector Premium Kit with Cleaver	1/package	80-6113-8783-0
<b>Connectors with 3M™ Easy Cleaver</b>			
8832-T/1.6-2/C	No Polish LC/UPC Connector SM 1.6-2.0 mm Jacket with 3M Easy Cleaver	120/box	80-6114-9417-2
6832-T/50/1.6-2/C_60	No Polish LC/UPC Connector MM 50 µm 1.6-2.0 mm Jacket with 3M Easy Cleaver	60/box	80-6114-9428-9
6832-T/50LOMMF/1.6-/C_60	No Polish LC/UPC Connector MM 50 µm LOMMF 1.6-2.0 mm Jacket with 3M Easy Cleaver	60/box	80-6114-9429-7
6832-T/62.5/1.6-2/C_60	No Polish LC/UPC Connector MM 62.5 µm 1.6-2.0 mm Jacket with 3M Easy Cleaver	60/box	80-6114-9430-5



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

\*"RoHS 2011/65/EU" means that the product or part does not contain any of the substances in excess of the maximum concentration values ("MCVs") in EU RoHS Directive 2011/65/EU. The MCVs are by weight in homogeneous materials. This information represents 3M's knowledge and belief, which may be based in whole or in part on information provided by third party suppliers to 3M.

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