

Communication Markets Division

# 3M™ No Polish Jacketed SC/UPC Connector

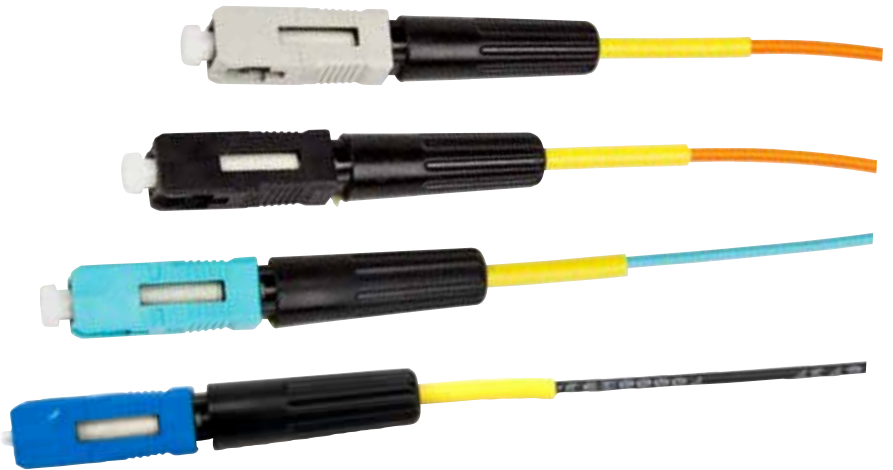
## For use with 1.6 to 3.0 mm Jacketed Cable

3M™ No Polish SC/UPC Connector (NPC) enables fast, on-site termination of round 1.6 mm to 3.0 mm jacketed cable and 1.6 x 2 mm and 2 x 3 mm drop cables.

The SC/UPC compatible connector consists of a factory-polished fiber/ferrule assembly and a mechanical splice that can be terminated without an assembly tool. A twist on, hard shell boot clamps onto the cable jacket and aramid fiber to provide excellent strain relief.

To maximize field termination yield, the splice in the connector can be opened and reused with a cap lifter, which is included in every box of 60 connectors.

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

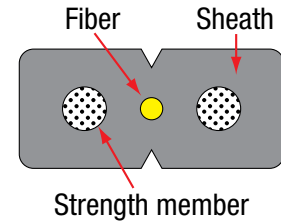


3M™ No Polish Jacketed SC/UPC Connector Family

Features	Benefits
Field termination	The right cable length with virtually no cable slack to store
Multiple cable configurations	One connector for 1.6 to 3.0 mm cable and drop 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 installation



Cross-sectional view of drop cable (1.6 mm x 2.0 mm, 2.0 mm x 3.0 mm)

Common Specifications	
Cable diameter	1.6, 2.0, 3.0 mm cable and 1.6x2 mm, 2x3 mm drop cable (900 μm tight buffer fiber with 8802-FUR/900)
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	9.3 × 9.3 × 57.4 mm (0.37" × 0.37" × 2.26")

Note: For 1.6 and 2.0 mm cables, a flexible tube is slipped over the cable to increase the diameter to 3.0 mm. This tube extends 19 mm (0.75") beyond the boot.

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

	Multimode 6802-T/50/1.6-3	Multimode 6802-T/50/LOMMF/1.6-3	Multimode 8802-T/62.5/1.6-3	Singlemode 8802-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	-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	black/white	aqua/white	beige/white	blue/white



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

### Ordering Information 3M™ No Polish Connectors

Product Number	Product Description	Packaging	3M ID
6802-T/50/1.6-3	No Polish SC/UPC Connector MM 50 µm 1.6-3.0 mm Jacket	60/package	80-6113-9828-2
6802-T/50/LOMMF/1.6-3	No Polish SC/UPC Connector MM 50 µm LOMMF 1.6-3.0 mm Jacket	60/package	80-6113-9829-0
6802-T/62.5/1.6-3	No Polish SC/UPC Connector MM 62.5 µm 1.6-3.0 mm Jacket	60/package	80-6113-9830-8
8802-T/1.6-3	No Polish SC/UPC Connector SM 1.6-3.0 mm Jacket	60/package	80-6113-3507-8
8865	No Polish Connector Kit without Cleaver	1/package	80-6113-2378-5
8865/PR	No Polish Premium Kit without Cleaver	1/package	80-61148296-1
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

### Connectors with 3M™ Easy Cleaver

8802-T/1.6-3/C	No Polish SC/UPC Connector SM 1.6-3.0 mm Jacket with 3M Easy Cleaver	120/box	80-6114-8225-0
6802-T/50/1.6-3/C_60	No Polish SC/UPC Connector MM 50 µm 1.6-3.0 mm Jacket with 3M Easy Cleaver	60/box	80-6114-9422-2
6802-T/50LOMMF/1.6-3/C_60	No Polish SC/UPC Connector MM 50 µm LOMMF 1.6-3.0 mm Jacket with 3M Easy Cleaver	60/box	80-6114-9423-0
6802-T/62.5/1.6-3/C_60	No Polish SC/UPC Connector MM 62.5 µm 1.6-3.0 mm Jacket with 3M Easy Cleaver	60/box	80-6114-9424-8

\*\*“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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