

3M™ Cold Shrink Quick Insulator QI Series

A quick solution with added protection

This new solution combines the addition of mastic with the reliability of 3M's cold shrink technology, field-proven over 40 years. This new cold shrink protection accommodates an incredible range of cable sizes and may help reduce inventory.

The Product

Each of the three sizes of product in the 3M™ Cold Shrink Quick Insulator QI Series is a cold shrink tube with factory-installed mastic rings in each end. These mastic rings enable wide range taking and help provide a reliable seal over cable jacket imperfections. With the broad range of the QI insulator series, 3 sizes of QI tubes together have a combined range to fit most applications. The QI series is excellent for applications requiring a low profile for tight spaces or where the core can only be removed from one end of the tube.



The 3M™ Cold Shrink Quick Insulator QI Series provides protection for:

- Secondary inline splices, especially in tight spaces or on cable racks
- Inlines splices where the core can only be removed from one side
- Inline splices with imperfect or scarred cable jackets
- Dig-in and sheath repair splices
- Street lighting
- Sealing connections on switchgear
- Transition connectors and set-screw or oversized connectors
- Retrofitting and repairing cable leads for secondary transformers
- Applications with different diameters on each end of the connection

Range-Taking Advantage: 3M™ Cold Shrink Quick Insulator QI Series

AWG										KCMIL							
10	8	6	4	2	1	1/0	2/0	3/0	4/0	100	200	400	600	800	100	1250	1500

QI-5/16-220

QI-10/37-270

QI-18/57-325



Benefits

QI insulators cover a wide range of cable sizes and types — just three sizes cover a range of 8 AWG through 1250 kcmil for copper and aluminum conductors with crimped connectors (sizes vary between aluminum and copper).

- Simple hand installation – no tools required
- Range taking mastic on each end of tube also provides added protection over cable jacket imperfections
- Consistent, uniform installation without extensive training
- Excellent wet electrical properties and resistant to fungus, acids and alkalies
- Seals tight and retains resiliency, even after years of aging and exposure
- Meets water seal requirements of ANSI C119.1

Advantages

- Wide range means less inventory needed
- No heat source – heat guns or torches – or special tools needed
- Accommodates broad cable range with reliable environmental seal

Product Name	Typical Connector Size Range*		Cable Insulation OD Range Inches (mm)	Max Connector OD Inches (mm)	Max Connector Length Inches (mm)
	Aluminum Connector	Copper Connector			
QI-5/16-220	8-1/0 AWG	8-2/0 AWG	0.20-0.65 (5-16)	0.65 (16)	2.75 (70)
QI-10/37-270	2 AWG-500 kcmil	2 AWG-750 kcmil	0.40-1.45 (10-37)	1.45 (37)	4.5 (114)
QI-18/57-325	250-1250 kcmil	250-1250 kcmil	0.71-2.25 (18-57)	2.25 (57)	6.0 (152)

* Final determining factors are cable insulation O.D. range and connector dimensions

Ordering Information

Product Name	UPC Number	Case Quantity	Min. Order Quantity
QI-5/16-220	051128-57750	10	1 case
QI-10/37-270	051128-57698	10	1 case
QI-18/57-325	051128-57751	10	1 case



Caution: Working around energized electrical systems may cause serious injury or death. Installation should be performed by personnel familiar with good safety practice in handling electrical equipment. De-energize and ground all electrical systems before installing product.

Important Notice

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