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ezi-Fiber SC MM Quick Assembly Connectors

DINTEK's ezi-FIBER™ Mechanical Connector provides an inexpensive, quick alternative to terminating fibers without the need for a fusion splicer.

DINTEK ezi-FIBER™ Connectors use V-groove technology, to align the fibers together and maintain physical contact between the fibers. No assembly tool is required to ensure the fibers are mated correctly. The resulting connection using the connector results in an average insertion loss of about 0.1dB.

Applications

- FTTx
- Pigtail connection in premise environments
- Fiber-to-the-Subscriber (FTTx) applications
- Telecommunications
- CATV
- Local area network

Standards

- ISO/IEC 11801
- Cenelec EN 50173-1 / TIA-568 C.0
- Data Center Cenelec EN 50173-5
- ISO/IEC 24764/ TIA-942
- Ethernet IEEE 802.3; 10/40/100GbE



Multi Mode ezi-FIBER Connector

Features

- Minimal tools required
- Low insertion loss of between 0.1-0.2dB
- Environmentally stable
- Easy termination / Fast splicing time
- Suitable for 250 μm and/or 900 μm buffered fibers
- Uses V-Groove alignment technology



DINTEK ezi-FIBER Termination Kit

Ordering Information				
Product Number	Product Name	Connector Type	Color	Mode
2106-02013	ezi-FIBER SC MM Quick Assembly Connector	SC	Beige	Multi Mode OM2
2106-02021	ezi-FIBER SC MM Quick Assembly Connector	SC	Aqua	Multi Mode OM3
2106-02020	ezi-FIBER SC/APC SM Quick Assembly Connector	SC/APC	Green	Single Mode
2106-02005	ezi-FIBER SC/UPC SM Quick Assembly Connector	SC/UPC	Blue	Single Mode

Technical Specifications

General Specifications

Cable Size	250um / 900um / 2.0mm / 3.0 mm / Flat Cable
Assembly Time	30 seconds (after preparing fiber ends)
Materials	Engineering Plastics & Index matching gel

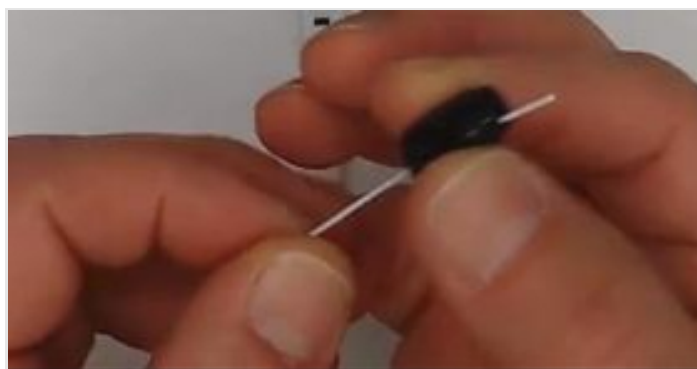
Mechanical Data

Pull Strength (kg), Typical	0.5kgf (900um); 6kgf (3.0mm); 1kgf (Flat Cable)
Operating Temperature (deg)	-40 ~ +70°C

Performance Data

Insertion Loss (dB), Typical	0.1dB Insertion Loss (dB)
Insertion Loss (dB), Maximum	Max 0.3dB
Return Loss (dB), Typical	-50dB

Termination Process



Slide boot and clamp screw cap on before stripping cable



Strip approx. 50mm. Primary coating must be removed



Using fiber cleaver, cut fiber to 12.5mm



Insert fiber into back of connector carefully



When light appears through end face, press button down



Slide boot up and then screw cap. Place cover over.

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