

DIAMOND

Fiber Optic Components

E-2000™ FUSION

MULTIMODE

E-28**.6

E-28**.6 DUPLEX

E-28**.6 COMPACT

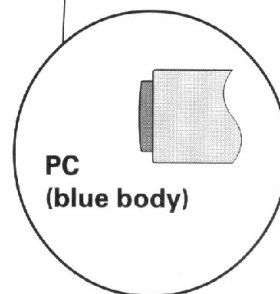
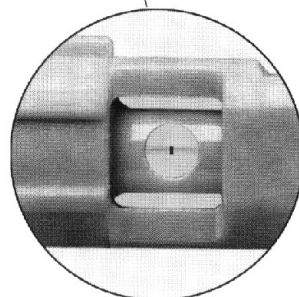
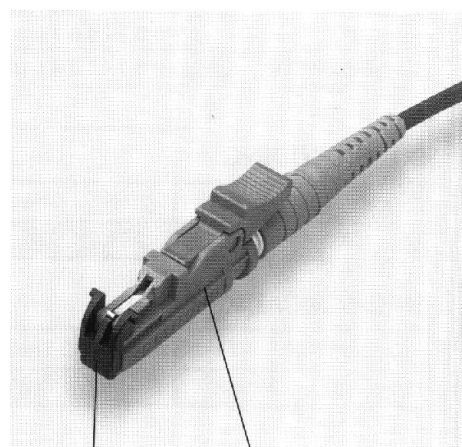
The E-2000™ FUSION allows installers to terminate Diamond-quality E-2000™ connectors in the field without the time, mess and expense associated with epoxying, curing and polishing.

Consisting of a pre-assembled connector with a factory-terminated fiber stub, the E-2000™ FUSION is terminated directly onto fiber in the field with a fusion splice. The fiber stub is core-centered via Diamond's well-known Active Core Alignment process and factory-polished to the company's exacting specifications. Models are available with GI multimode fiber stubs 0° PC endface polished. Other fiber types can also be accommodated.

The compact, battery-operated fusion splicer permits E-2000™ FUSION connectors to be quickly and easily terminated directly onto 900 µm secondary-coated fiber or 2.1-3.5 mm jacketed cable. Only a minimum of operator skill is required to achieve outstanding connections every time.

The finished connector incorporates all the features which have made the E-2000™ the growing favorite with users worldwide, including...

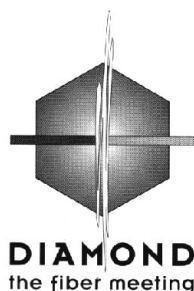
- Automatic, built-in protective covers for eye-safety and extended ferrule life
- Interchangeable, user-definable color-coding and mechanical keying options
- Simplex and duplex options
- Compatibility with a growing range of E-2000™ components, including active Tx/Rx modules, attenuators, hybrid mating adapters, etc.
- Simple, fast, reliable field termination with a minimum of operator skill
- Outstanding optical performance
- No polishing and epoxy
- Battery-operated tooling for up to 30 terminations on a single charge
- Eliminates the need to fusion-splice pigtails onto cable ends, thereby eliminating costly, space-consuming splice trays



Specifications:

Insertion loss	Typ. 0,2 dB
Return loss	Min. 30 dB
Service life	1000 mate/demate cycles
Operating temperature	-40/+85°C*
Storage temperature	-40/+90°C

* May be further limited by cable specifications



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Specifications subject to change without notice

002-037-210P008022

CONNECTOR E-2000™ (LSH)

MULTIMODE

Type designation: **E-2816.6**
 Ferrule material: Zirconia/copper-nickel alloy insert (Pilzferrule)
 External parts: Plastic (blue)
 Polish geometry: Convex (PC)

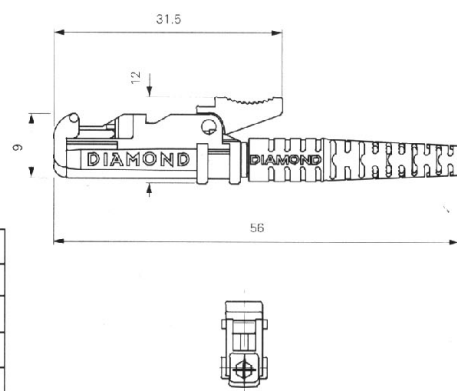
GI 50/125		GI 62.5/125	
Dimensions Fiber/Cable	Order Number	Dimensions Fiber/Cable	Order Number
50/125/900	- 0 0 1 - 0 0 1 L 0 0 0	62.5/125/900	- 0 0 1 - 0 1 1 L 0 0 0
50/125/900/2100	- 0 0 1 - 0 0 2 L 0 0 0	62.5/125/900/2100	- 0 0 1 - 0 1 2 L 0 0 0
50/125/900/2500	- 0 0 1 - 0 0 3 L 0 0 0	62.5/125/900/2500	- 0 0 1 - 0 1 3 L 0 0 0
50/125/900/3000	- 0 0 1 - 0 0 4 L 0 0 0	62.5/125/900/3000	- 0 0 1 - 0 1 4 L 0 0 0
50/125/900/3500	- 0 0 1 - 0 0 5 L 0 0 0	62.5/125/900/3500	- 0 0 1 - 0 1 5 L 0 0 0

COLOR CODING

Thumb-latch	blue	green	black	red	orange	yellow	white	violet
Order No.	301	311	321	331	341	351	361	371

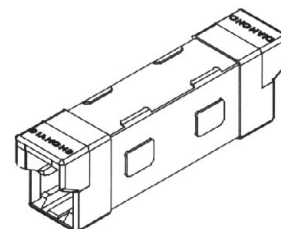
MECHANICAL KEYING

Thumb-latch No.	1-1 (red)	2-2 (brown)	3-3 (yellow)	4-4 (orange)	5-5 (violet)	6-6 (white)	—	—
Order No.	401	411	421	431	441	451	—	—



ADAPTER

For complete product descriptions and ordering information, please refer to the part-specific data sheets **E-2201.-2*****.



CONNECTOR E-2000™ DUPLEX

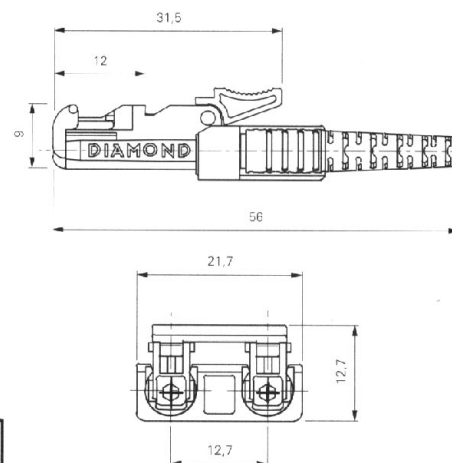
MULTIMODE

Type designation: **E-2856.6 DUPLEX**
 Ferrule material: Zirconia/copper-nickel alloy insert (Pilzferrule)
 External parts: Plastic (blue)
 Polish geometry: Convex (PC)

GI 50/125		GI 62.5/125	
Dimensions Fiber/Cable	Order Number	Dimensions Fiber/Cable	Order Number
50/125/900	- 0 0 1 - 0 0 1 L 0 0 0	62.5/125/900	- 0 0 1 - 0 1 1 L 0 0 0
50/125/900/3000/6500	- 0 0 1 - 0 0 4 L 0 0 0	62.5/125/900/3000/6500	- 0 0 1 - 0 1 4 L 0 0 0

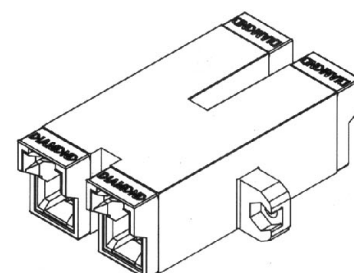
FARBCODIERUNG

Thumb-latch	blue	green	black	red	orange	yellow	white	violet
Order No.	304	314	324	334	344	354	364	374



ADAPTER

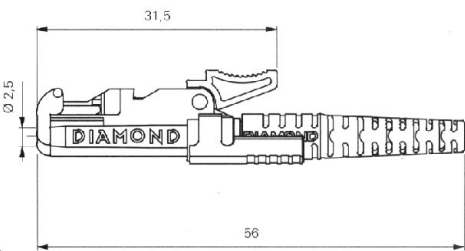
For complete product descriptions and ordering information, please refer to the part-specific data sheets **E-2210.-2*** DUPLEX**.



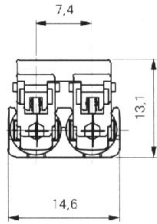
CONNECTOR E-2000™ COMPACT

MULTIMODE

Type designation: E-2856.6 COMPACT
Ferrule material: Zirconia/copper-nickel alloy insert (Pilzferrule)
External parts: Plastic (blue)
Polish geometry: Convex (PC)



GI 50/125		GI 62.5/125	
Dimensions Fiber/Cable	Order Number	Dimensions Fiber/Cable	Order Number
50/125/900	- 0 0 1 - 0 0 1 L 0 0 0	62.5/125/900	- 0 0 1 - 0 1 1 L 0 0 0
50/125/900/3000/6500	- 0 0 1 - 0 0 4 L 0 0 0	62.5/125/900/3000/6500	- 0 0 1 - 0 1 4 L 0 0 0



COLOR CODING

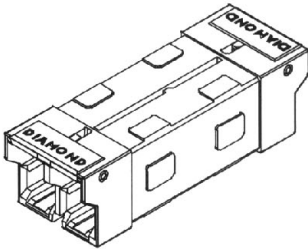
Thumb-latch	blue	green	black	red	orange	yellow	white	violet
Order No.	501	511	521	531	541	551	561	571

MECHANICAL KEYING

Thumb-latch No.	1-1 (red)	2-2 (brown)	3-3 (yellow)	4-4 (orange)	5-5 (violet)	6-6 (white)	—	—
Order No.	601	611	621	631	641	651	—	—

ADAPTER

For complete product descriptions and ordering information, please refer to the part-specific data sheets E-2211.-2*** COMPACT.



Marking of DIAMOND FUSION “alberini”



Reference for MM



Production date

Codes for preterminated standard fiber stubs	
200	Corning GI 50 µm
201	Corning GI 62.5 µm

Standard components are preterminated with Corning GI 50/125 µm and Corning GI 62.5/125 µm fiber stubs. Please contact your DIAMOND sales office if another fiber type is required.

Termination kit

DIAMOND FUSION FIELD TERMINATION KIT allow installer to terminate DIAMOND-quality E-2000™, SC, FC, ST connectors in the field. It also include all the necessary tools and instructions.

Order information

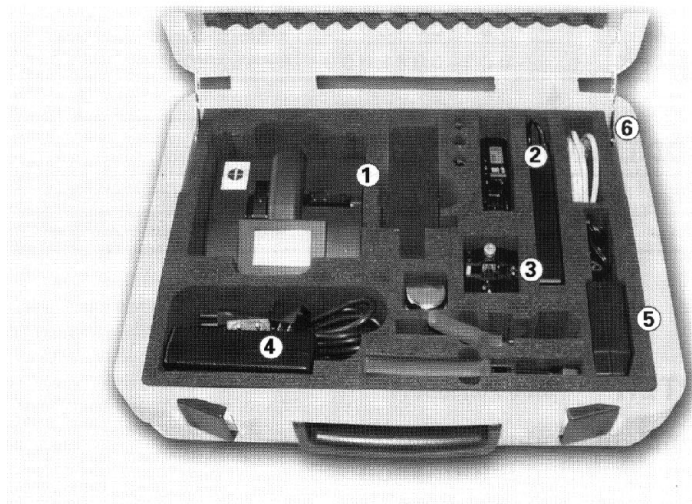
Fusion Field Termination Kit complet: 241-100-049V001

Case content:

Description
1 Fusion Splicer FFS-2000
2 Fiber stripper FS-1
3 Precision fiber cleaver FC-1
4 Power supply 120/240 V
5 Battery charger 120/240 V
6 Ethernet cable

Pliers for housing assembly

Connector type	Order Number
E-2000™	221-100-032V001
HSC	221-100-041V001
HPC	221-100-093V001
HST™	221-100-094V001



Space requirement : ca. 540 x 420 x 210 mm

Weight : ca. 11,8 Kg