

#### ABOUT CTEC

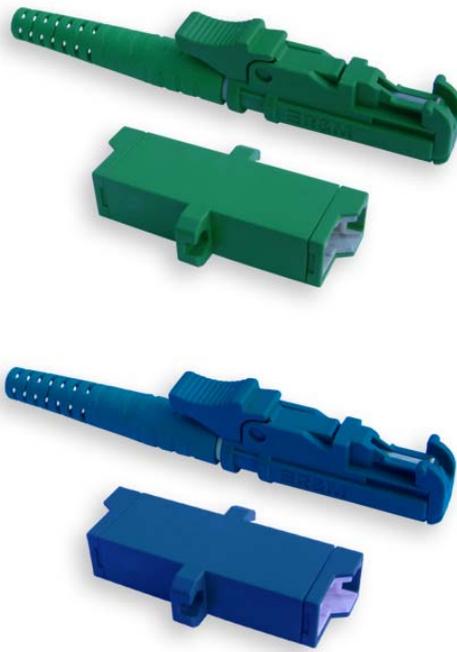
CTEC is a leading UK designer and manufacturer of fibre optic products and fibre management systems. As specialist design consultants, we supply only the highest quality fibre optic products and services available. In fact, the vast majority of the fibre optic products we sell have been designed & developed entirely by CTEC. We can design, build and ship fibre optic products completely to your specification, and our staff has been designing fibre optic products since 1983.

#### CTEC PRODUCT RANGE

CTEC source only the highest quality optical components for our optics requirements. We supply across a range of industries, including...

- Telecommunications
- Oil & Gas
- Offshore
- Nuclear
- Broadcast
- Academic Research

## CTEC- E2000 Connector Products



- Injection molded outer housing to UL 94 V0 flammability rating
- Connector housing totally encloses ferrule to protect it from dust, contaminants and scratches
- Positive latching mechanism with interchangeable, color-coded and mechanically-keyed thumb-latch
- Offers superior retention under axial load
- Allows higher packing densities
- Integrated protective cap automatically protects personnel from eye-damaging laser radiation
- Latches on the connector and within the adaptor close automatically upon extraction to protect ferrule from dust and scratches
- All cable types supported

E2000 products are known for their consistent performance for low loss fibre optic networks used in Telecommunication, CATV & LAN applications, including FTTH and FTTD.

There is a constant demand for innovative solutions to provide higher data transmission capacities on future communications networks. Interconnectivity components, such as the E2000 connector, are critical elements within these powerful fibre optic networks.

Precision optical, mechanical and geometrical features are the quality elements required to reduce network losses to the absolute minimum.

These singlemode E2000 products are used within all of our E2000 cable assembly requirements, including patchcords, pigtails, splitters, break-out assemblies, and more.



### CTEC TECHNICAL SUPPORT

We endeavor to supply our customers with the highest levels of technical support available in the industry. Subject to agreement, this includes custom product design, onsite consultation, and production engineering.

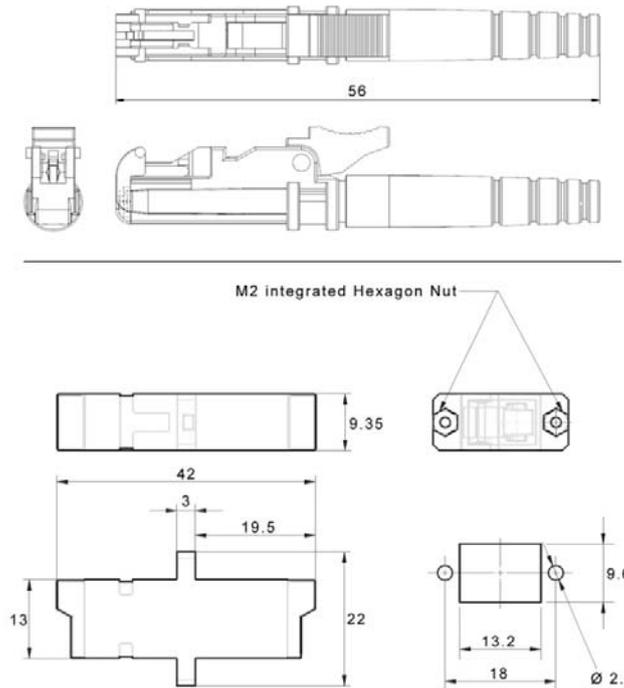
### CONSULTANCY SERVICES

CTEC are contract design consultants for a number of the leading industry suppliers in the UK. At any given time, we design bespoke solutions on behalf of these clients, who in turn present them to their own customers as part of their own solutions. This service is seamless, plus it ensures our clients are able to offer a full and comprehensive solution in a cost effective manner.

For more information on any of our products or services please visit us on the Web at:

[www.ctec.co.uk](http://www.ctec.co.uk)

## General dimensions, including panel cut-out



The general dimensions shown are given as a guide regarding space constraints where applicable.

All of our optical connectors generally require a minimum bend radius of R35mm for most cables in most applications, but this is subject to the chosen cable and fibre criteria. All of our cable assemblies assembled with these connectors will perform within that criteria.

The panel cut-out details shown are specific to the brand of adaptor we supply, and although it generally matches the industry standard, the customer should satisfy themselves that these dimensions are able to be catered for within their own equipment.

## Performance Data

	MULTIMODE 0° PC	SINGLE MODE 0° PC	SINGLE MODE 8° APC	UNITS
Insertion Loss (IL)	typ. 0.15 max 0.4	typ. 0.2 max 0.4	typ. 0.2 max 0.4	dB
Return Loss (RL)	typ. 40	typ. 50	typ. 70	dB
Repeatability of IL	max ±0.1			dB
Service life	1000 mating cycles			--
Operating temperature	-40/+85			°C
Storage temperature	-40/+90			°C

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