

#### 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- FC/PC & FC/APC Connector Products



- Precision multi-component connector body, with optional boot configurations.
- PC, UPC, & APC ferrule/polish options as per customer requirements.
- Full ceramic precision ferrules, easy to access and clean.
- All cable types supported.
- Proven technology based on over 2 decades of consistent and reliable performance in a wide range of networking applications.
- Cost effective with high performance.

FC/PC & FC/APC connector products have been a consistent and popular option for optical terminations for over two decades, principally for Telecommunications, CATV, LAN, WAN, Test & Measurement and Medical & Sensor applications.

There is a constant demand for reliable and proven solutions to provide high data transmission capacities on future communications networks. Interconnectivity components, such as FC/PC & FC/APC connectors, are critical elements within these powerful fibre optic networks. Precision optical ferrules, proven mechanics and its choice across a broad spectrum of networks and applications, make this connector a firm option for network builders and specifying engineers.

These singlemode FC/PC & FC/APC E2000 products are used, where required, within all of our cable assemblies, including patchcords, pigtailed, splitters, break-out assemblies, and more.



## General dimensions, including panel cut-out

### CTEC TECHNICAL SUPPORT

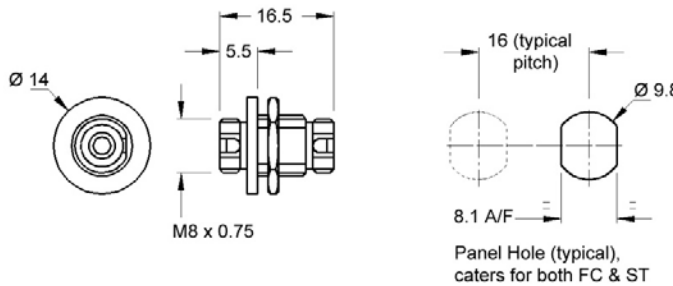
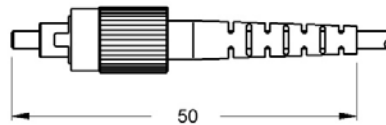
We endeavor to supply our customers with the highest levels of technical support available in the industry. Subject to agreement, this includes custom product design, onsite consultation, and production engineering.

### 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)



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 this 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

	SINGLEMODE 0° PC	SINGLE MODE 0° UPC	SINGLE MODE 8° APC	UNITS
Insertion Loss (IL)	typ. 0.2 max 0.4	typ. 0.2 max 0.4	typ. 0.2 max 0.3	dB
Return Loss (RL)	typ. -50	typ. -55	typ. -65	dB
Repeatability of IL	max ±0.1			dB
Service life	500 mating cycles			--
Operating temperature	-40/+80			°C
Storage temperature	-40/+85			°C

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