Fibre Optic Through Adapters

Also known as couplers, AFL's range of fibre optic through adapters provide a high performance interface for fibre optic networks.

AFL through adapters offer ease of circuit patching while maintaining industry leading performance. Through adapters are used in all fibre optic communication applications including Enterprise, Telecommunications, Industrial and Infrastructure.

Suited for use with AFL's range of:

- Fibre optic patchleads
- Fibre optic pre-terminated multi fibre assemblies
- Fibre optic pigtails
- FRE, FWE and industrial enclosures

AFL through adapters are suited for multi environment patching scenarios where network performance, interoperability and long term stability are critical.

Features and Benefits

- Single piece moulded or ultrasonically welded construction for increased strength and durability
- SC and LC metal aperture latching clips provide superior mounting, negating internal clearance issues
- Reduced flange or standard flange design to suit a variety of mounting environments
- High performance zirconia alignment sleeves provide optimum network performance and stability
- Dust caps supplied as standard to minimise contamination
- Large range of standard and hybrid adapters stocked to cover a wide range of applications
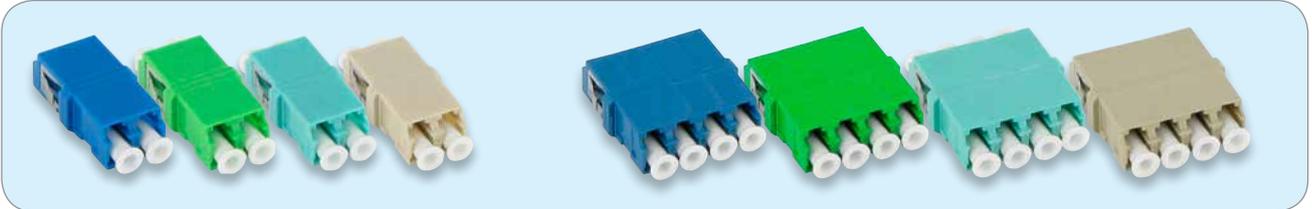
Applicable Standards

- ROHS compliant
- Compliant adapter interface dimensions as per IEC 61754
- Suitable for both controlled and uncontrolled environments as detailed in IEC 61753-1-1
- Fibre Optic Connector Intermateability Standard TIA-604
- Colour coded to Telcordia and IEC standards

Fibre Optic Through Adapters

LC Adapters

- Available in both duplex and quad varieties
- Standard colours: Blue, Green, Aqua and Beige*

SC Adapters

- Available in both simplex and duplex varieties
- Standard colours: Blue, Green, Aqua and Beige*

ST Adapters

- Supplied complete with low profile locking nut and internal lock washer
- All metal construction, dust caps colours available: Yellow and Red*

FC Adapters

- Supplied complete with locking nut and internal lock washer
- All metal construction, dust caps colours available: Yellow, Green and Red*

MTP Adapters

- Available with both integrated dust shutter and SC footprint design
- Standard Colours: Black and Aqua*

Accessories

A range of accessories are available including:

- Finger friendly dust caps
- Blanking plugs
- Retrofit shuttered covers

Please contact AFL for more details

*Other colours available on request

Fibre Optic Through Adapters

Ordering Information

ADPT — **SC** **RDF** — **BU**

Standard Adapter Types
SC – SC Simplex
SCD – SC Duplex
LCD – LC Duplex
LCQ – LC Quad
ST – ST Simplex
FC – FC Simplex
FCA – FC/APC Simplex
MTP
MTRJ

Hybrid Types
SCST
SCSTD
SCFC
SCLC
Other variations may be
available on request

Adapter Style
RDF – Reduced Flange
STF – Standard Flange

MTP specific:
SCRDF – SC footprint,
reduced flange
STFS – Standard Flange,
shuttered

Standard Colours
BU – Blue
GN – Green
AQ – Aqua
BE – Beige
BK – Black (standard only on MTP and MTRJ)

ST/FC/DIN specific
MLRD – Red dust caps
(metal construction)
MLYL – Yellow dust caps
(metal construction)
MLGN – Green dust caps
(metal construction)

Speciality Adapters

In addition to standard connectivity, AFL are also able to provide a range of specialty
and legacy adapters to suit a wide range of industry specific applications.
These include styles such as:

- LC Keyed
- DIN
- MU
- E2000

Please contact AFL for availability and additional options.

All AFL products specified in this document conform to the requirements of RoHS Regulations
(Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment – EU Directive 2011/95/EC)