

## Test Reference Cable Specification

Fibre optic test reference cables terminated in a specialist UK facility. Our test reference cables are manufactured with optimised geometry and enhanced optical performance to ensure repeatable, accurate, high performance physical contact of fibre connectors under test. Our cables are terminated with the highest quality (A Grade) physical contact optical ferrule connectors. We use cables that have been manufactured to the highest standards and conform to all IEC, EIA-TIA and Telecordia requirements.



### Connector Specification

OPTICAL PERFORMANCE	Multimode	Single-mode
Insertion Loss	≤0.1dB	≤0.1dB
Return Loss	UPC ≥ 35dB; APC ≥40dB	UPC ≥ 50dB; APC ≥60dB
Geometrical Parameters		
Eccentricity of core for the centre of ferrule	≤0.5um	≤0.5um
Ferrule ID	126um	125.5um
Ferrule OD		
- Standard Connectors	2.499mm	2.499mm
- SFF Connectors	1.249mm	1.249mm
Apex Offset	≤ 30um	≤ 30um
Fibre Height	-30um	-30um
Radius of Curvature		
- Standard Connectors	PC 10-20mm APC N/A	10-20mm 7-15mm
- SFF Connectors	PC/APC 7-12mm	7-12mm
Durability (500 times)	≤0.1db	≤0.1db
Operating temperature	-40~+85°C	-40~+85°C
Storage Temperature	-40~+85°C	-40~+85°C
Typical Cable OD(mm)	Ø2.0	Ø2.0

### Applications

- In-field optical network testing
- Testing laboratories
- Termination houses/facilities
- Data centre applications
- Instrumentation

\*Please note, product specifications are subject to change in line with availability