

OS2 Fibre Leads

FEATURES:

- Short pitch cables for special applications
- High performance optical networking in O-E-S-C-L band
- High speed optical routes in buildings (FTTx)
- Cables with low bending requirements

CERTECH's bending insensitive single-mode fibre provides good resistance to macro-bending. It has low macro-bending sensitivity and low water-peak level. This fibre is comprehensively optimised for use in O-E-S-C-L band (1260-1625 nm).

This fibre offers good resistance to additional losses due to macro-bending in the 1600 nm wavelength region. The not only supports L-band applications, but also allows for easy installation without excessive care when storing the fibre, for example, in splice cassettes. For cable use inside buildings, the fibre supports installations with small cable bending radii and compact organisers. The bending induced loss at 1625 nm and no more than 0.5 dB for one wind with 10 mm radius.

CERTECH's optical fibres are manufactured using the advanced Plasma Activated Chemical Vapour Deposition (PCVD) process. Because of the inherent advantages of this process, the fibre shows ultra accurate refractive index (RI) profile control, excellent geometrical performance, low attenuation, etc.

The optical fibre is also coated with a dual layer UV curable acrylate. This fibre coating system provides the fibre with superior environmental protection. Designed for more stringent tight-buffered cable applications, the fibre also performs perfectly in loose buffer constructions and demonstrates a high resistance to micro-bending. This coating offers very stable coating strip force over a wide range of environmental conditions with no coating residue on the bare glass fibre. In fibre ribbon constructions, this coating system exhibits excellent performance in 60°C water-soak tests, exceeding 100 days. The coated optical fibre has high and stable values for the dynamic stress corrosion susceptibility parameter, which provides greatly improved fibre durability when used in harsh environments.

SPECIFICATIONS	
Fibre Count	Duplex (2 Core)
Cable Diameter	2.0mm
Cable Jacket	LSZH
Jacket Colour	Yellow
Fibre Mode	OS2 9/125um
Insertion Loss	«0.3dB
Return Loss	»55dB
Fibre Grade	G.652.D
Minimum Bend Radius	30mm
Wavelength	1310nm/1550nm
Attenuation @ 1310nm	0.36dB/km
Attenuation @ 1550nm	0.22dB/km
Polarity	A(Tx) to B(Rx)
Operating Temperature	-40~75°C
Storage Temperature	-45~85°C

Part Number	Description	Connector & Polish Type
FPL-LCLCOS2-0.5	LC-LC OS2 Duplex Fibre Patch Lead 0.5m	LC UPC to LC UPC
FPL-LCLCOS2-1	LC-LC OS2 Duplex Fibre Patch Lead 1m	LC UPC to LC UPC
FPL-LCLCOS2-10	LC-LC OS2 Duplex Fibre Patch Lead 10m	LC UPC to LC UPC
FPL-LCLCOS2-15	LC-LC OS2 Duplex Fibre Patch Lead 15m	LC UPC to LC UPC
FPL-LCLCOS2-2	LC-LC OS2 Duplex Fibre Patch Lead 2m	LC UPC to LC UPC
FPL-LCLCOS2-3	LC-LC OS2 Duplex Fibre Patch Lead 3m	LC UPC to LC UPC
FPL-LCLCOS2-5	LC-LC OS2 Duplex Fibre Patch Lead 5m	LC UPC to LC UPC
FPL-LCSCOS2-0.5	LC-SC OS2 Duplex Fibre Patch Lead 0.5m	LC UPC to SC UPC
FPL-LCSCOS2-1	LC-SC OS2 Duplex Fibre Patch Lead 1m	LC UPC to SC UPC
FPL-LCSCOS2-10	LC-SC OS2 Duplex Fibre Patch Lead 10m	LC UPC to SC UPC
FPL-LCSCOS2-15	LC-SC OS2 Duplex Fibre Patch Lead 15m	LC UPC to SC UPC
FPL-LCSCOS2-2	LC-SC OS2 Duplex Fibre Patch Lead 2m	LC UPC to SC UPC
FPL-LCSCOS2-3	LC-SC OS2 Duplex Fibre Patch Lead 3m	LC UPC to SC UPC
FPL-LCSCOS2-5	LC-SC OS2 Duplex Fibre Patch Lead 5m	LC UPC to SC UPC
FPL-LCSTOS2-0.5	LC-ST OS2 Duplex Fibre Patch Lead 0.5m	LC UPC to ST
FPL-LCSTOS2-1	LC-ST OS2 Duplex Fibre Patch Lead 1m	LC UPC to ST
FPL-LCSTOS2-2	LC-ST OS2 Duplex Fibre Patch Lead 2m	LC UPC to ST
FPL-LCSTOS2-3	LC-ST OS2 Duplex Fibre Patch Lead 3m	LC UPC to ST
FPL-LCSTOS2-5	LC-ST OS2 Duplex Fibre Patch Lead 5m	LC UPC to ST
FPL-SCSCOS2-0.5	SC-SC OS2 Duplex Fibre Patch Lead 0.5m	SC UPC to SC UPC
FPL-SCSCOS2-1	SC-SC OS2 Duplex Fibre Patch Lead 1m	SC UPC to SC UPC
FPL-SCSCOS2-10	SC-SC OS2 Duplex Fibre Patch Lead 10m	SC UPC to SC UPC
FPL-SCSCOS2-15	SC-SC OS2 Duplex Fibre Patch Lead 15m	SC UPC to SC UPC
FPL-SCSCOS2-2	SC-SC OS2 Duplex Fibre Patch Lead 2m	SC UPC to SC UPC
FPL-SCSCOS2-3	SC-SC OS2 Duplex Fibre Patch Lead 3m	SC UPC to SC UPC
FPL-SCSCOS2-5	SC-SC OS2 Duplex Fibre Patch Lead 5m	SC UPC to SC UPC
FPL-SCSTOS2-0.5	SC-ST OS2 Duplex Fibre Patch Lead 0.5m	SC UPC to ST
FPL-SCSTOS2-1	SC-ST OS2 Duplex Fibre Patch Lead 1m	SC UPC to ST
FPL-SCSTOS2-2	SC-ST OS2 Duplex Fibre Patch Lead 2m	SC UPC to ST
FPL-SCSTOS2-3	SC-ST OS2 Duplex Fibre Patch Lead 3m	SC UPC to ST
FPL-SCSTOS2-5	SC-ST OS2 Duplex Fibre Patch Lead 5m	SC UPC to ST
FPL-STSTOS2-0.5	ST-ST OS2 Duplex Fibre Patch Lead 0.5m	ST to ST
FPL-STSTOS2-1	ST-ST OS2 Duplex Fibre Patch Lead 1m	ST to ST
FPL-STSTOS2-10	ST-ST OS2 Duplex Fibre Patch Lead 10m	ST to ST
FPL-STSTOS2-15	ST-ST OS2 Duplex Fibre Patch Lead 15m	ST to ST
FPL-STSTOS2-2	ST-ST OS2 Duplex Fibre Patch Lead 2m	ST to ST
FPL-STSTOS2-3	ST-ST OS2 Duplex Fibre Patch Lead 3m	ST to ST
FPL-STSTOS2-5	ST-ST OS2 Duplex Fibre Patch Lead 5m	ST to ST
FPL-LCSCAOS2-0.5	LC-SCA OS2 Duplex Fibre Patch Lead 0.5m	LC UPC to SC APC
FPL-LCSCAOS2-1	LC-SCA OS2 Duplex Fibre Patch Lead 0.5m	LC UPC to SC APC
FPL-LCSCAOS2-2	LC-SCA OS2 Duplex Fibre Patch Lead 0.5m	LC UPC to SC APC
FPL-LCSCAOS2-3	LC-SCA OS2 Duplex Fibre Patch Lead 0.5m	LC UPC to SC APC
FPL-LCSCAOS2-5	LC-SCA OS2 Duplex Fibre Patch Lead 0.5m	LC UPC to SC APC
FPL-LCALCAOS2-0.5	LCA-LCA OS2 Duplex Fibre Patch Lead 0.5m	LC APC to LC APC
FPL-LCALCAOS2-1	LCA-LCA OS2 Duplex Fibre Patch Lead 0.5m	LC APC to LC APC
FPL-LCALCAOS2-2	LCA-LCA OS2 Duplex Fibre Patch Lead 0.5m	LC APC to LC APC
FPL-LCALCAOS2-3	LCA-LCA OS2 Duplex Fibre Patch Lead 0.5m	LC APC to LC APC
FPL-LCALCAOS2-5	LCA-LCA OS2 Duplex Fibre Patch Lead 0.5m	LC APC to LC APC
FPL-LCASCAS2-0.5	LCA-SCA OS2 Duplex Fibre Patch Lead 0.5m	LC APC to SC APC
FPL-LCASCAS2-1	LCA-SCA OS2 Duplex Fibre Patch Lead 0.5m	LC APC to SC APC



FPL-LCASCASOS2-2	LCA-SCA OS2 Duplex Fibre Patch Lead 0.5m	LC APC to SC APC
FPL-LCASCASOS2-3	LCA-SCA OS2 Duplex Fibre Patch Lead 0.5m	LC APC to SC APC
FPL-LCASCASOS2-5	LCA-SCA OS2 Duplex Fibre Patch Lead 0.5m	LC APC to SC APC
FPL-SCASCASOS2-0.5	SCA-SCA OS2 Duplex Fibre Patch Lead 0.5m	SC APC to SC APC
FPL-SCASCASOS2-1	SCA-SCA OS2 Duplex Fibre Patch Lead 0.5m	SC APC to SC APC
FPL-SCASCASOS2-2	SCA-SCA OS2 Duplex Fibre Patch Lead 0.5m	SC APC to SC APC
FPL-SCASCASOS2-3	SCA-SCA OS2 Duplex Fibre Patch Lead 0.5m	SC APC to SC APC
FPL-SCASCASOS2-5	SCA-SCA OS2 Duplex Fibre Patch Lead 0.5m	SC APC to SC APC
*Longer lengths available on request.		