

# Flat Duplex Fibre Optic Patch Cable

## Interconnecting Fibre Cable

Duplex Flat Cables consist of two simplex units. Two simplex cords are placed side by side and overjacketed with a Low Smoke Zero Halogen (LSZH) compound. This provides an added protective layer to the simplex units making them more rugged.



### Applications

- ▶ Indoor patch cable for interconnecting
- ▶ Use of ruggadised pigtails within the patching environment

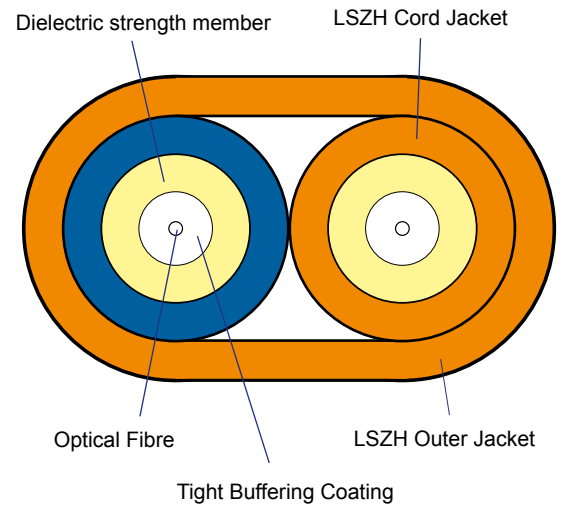
### Features

- ▶ Colour coded fibres for easy identification.
- ▶ LSZH jacket for internal use.
- ▶ Aramid yarn for physical and mechanical strength.

### Technical Specification

SPECIFICATION	OM1 62.5/125µm (850/1300nm)	OM2 50/125µm (850/1300nm)	OM3 50/125µm (850/1300nm)	OS1 9/125µm (1310/1550nm)
Attenuation (dB/km) Typical Values	2.8/0.8	2.8/0.8	2.7/0.7	0.38/0.24
Minimum Bandwidth (MHz·km)	200/500	500/500	1500/500	-
Primary Buffer Diameter	250µm	250µm	250µm	250µm
Strength Members	Aramid strength members			
Storage Temperature	-20° to +60°C			
Installation Temperature	-10° to +60°C			
Operating Temperature	-10° to +60°C			
Fire Performance	LSZH for Internal/External Applications			
Flame Resistance	IEC 60332-1			

### Duplex Flat-LSZH Jacket



Fibre Count	Nominal Outer Diameter mm	Nominal Weight kg/km	MAXIMUM TENSILE LOAD		MINIMUM BEND RADIUS	
			Short-Term N	Long-Term N	Loaded cm	Installed cm
2	2.6x4.2	15	450	110	3.9	2.6
2	3.0x5.0	20	500	125	4.5	3.0
2	3.4x5.8	26	500	125	5.1	3.4
2	3.9x6.8	33	600	150	5.9	3.9