

Simplex Fibre Optic Patch Cable

These dielectric Tight Buffer office distribution cables are available in all four standard fibre specifications with colour coded 900µm buffered fibres, surrounded by e-glass yarn strength members, within a black LSZH outer jacket, meeting IEC fire performance requirements

OM1, OM2 and OM3 2~24 fibres and OS1 2~16 fibres are simply but robustly constructed as a single unit cable

OS1 24 fibre cable consists of 4 x 6 fibre sub-units around an LSZH coated central strength member, similar to that shown in the multiunit diagram

Higher fibre counts of all specifications, up to 144, are in 12 fibre sub-units, to provide simple identification

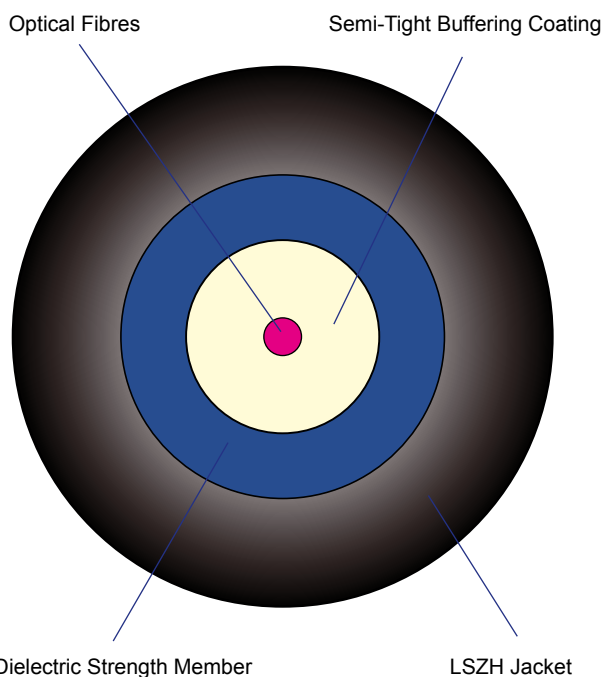


Applications

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

Features

- ▶ 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			

Fibre Count	Nominal Outer Diameter	Nominal Weight	MAXIMUM TENSILE LOAD		MINIMUM BEND RADIUS	
			Short-Term	Long-Term	Loaded	Installed
	mm	kg/km	N	N	cm	cm
1	1.6	2	130	33	3.2	1.6
1	2.0	5	250	75	4.0	2.0
1	2.4	7	250	75	4.8	2.4
1	2.9	8	250	75	5.8	2.9