Fibre-types

SX uses multimode (grey connector jacks)
LX typically uses singlemode (blue connector jacks) for <5km , or multimode (grey connector jacks) <550m

There are two basic fibre families

Singlemode (Blue connector jacks) (SM, OS1.OS2)

Sheath options are generally indoor PVC or LSZH and external Nylon with CST or GRP armouring

Singlemode is fairly straightforward, it's the smallest of the traditional fibres, and is made not always has a yellow outer jacket (pvc or lszh) and can be used for links up to 100km.

Multimode (Grey connector jacks) (MM defines four types OM1, OM2, OM3 and OM4)

larger cores of 62.5 and 50 micron.

	62.5/125 OM1	50/125 OM2	50/125 OM3	50/125 OM4	9/125 OS1
100Mb	2km	2km	2km	2km	100km
1Gb	275mtr	550mtr	800mtr	1100mtr	100km
10Gb	33mtr	82mtr	300mtr	550mtr	40km
40Gb/100Gb	N/A	N/A	100mtr	150mtr	40km

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