



Using its expertise in the structured cabling market HellermannTyton has worked with optical fibre cable manufacturers to develop a range of cables that meets the needs of today's installations.

All cables are designed to be easy to terminate, strong and capable of withstanding the strains of installation.

Using LSOH sheaths allows for cables to be used in both internal dry installation but still withstand the rigors of wet or damp environments.

Two groups of cables have been developed, tight buffered internal/

external cables and loose tube jell filled external cables.

The loose tube cables are available in two designs, a single-tube design capable of providing from 4 to 24 fibres and a multi-tube design that can provide 36 to 144 fibres.

Using non-flammable jell moisture barrier and the LSOH sheath allows the loose tube cable to run all the way to the distribution point. This eliminates the need for a splice point as a poly sheathed cable enters a building.

## Optical Performance

	OM1	OM2	OM3	OS1
	62.5/125µm (850/1300nm)	50/125µm (850/1300nm)	50/125µm (850/1300nm)	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

## 4—24 Fibres

Fibre Count	HT Pn.	Nominal Outer Diameter	Nominal Weight	Maximum Tensile Load		Minimum Bend Radius	
				Short-Term	Long-Term	Loaded	Installed
		mm	kg/km	N	N	cm	cm
4	***LT04	7.6	60	1600	800	20	10
6	***LT06	7.6	60	1600	800	20	10
8	***LT08	7.6	60	1600	800	20	10
12	***LT12	7.6	60	1600	800	20	10
16	***LT16	7.6	60	1600	800	20	10
24	***LT24	7.6	60	1600	800	20	10

\*\*\* OM1, OM2, OM3, OS1

Crush Test	2200(N)
Ripcord	N/A
Strength Members	E-Glass Yarns
Storage Temperature	-40° to +75°C
Installation Temperature	-20° to +70°C
Operating Temperature	-20° to +70°C
Fire Performance	LSZH for Internal/External Applications
Flame Resistance	IEC 60332-1

## 36—144 Fibres

Fibre Count	HT Pn.	Nominal Outer Diameter	Nominal Weight	Maximum Tensile Load		Minimum Bend Radius	
				Short-Term	Long-Term	Loaded	Installed
		mm	kg/km	N	N	cm	cm
36	***LT36	12.4	150	2700	1000	25	12.4
48	***LT48	12.4	150	2700	1000	25	12.4
60	***LT60	12.4	150	2700	1000	25	12.4
72	***LT72	12.4	150	2700	1000	25	12.4
96	***LT96	14.0	200	2700	1000	28	18.0
144	***LT144	16.5	310	2700	1000	37	16.5

\*\*\*= OM1, OM2, OM3, OS1

Crush Test	3000(N)
Ripcord	One
Strength Members	E-Glass yarns
Storage Temperature	-40° to +75°C
Installation Temperature	-20° to +70°C
Operating Temperature	-20° to +70°C
Fire Performance	LSZH for Internal/External Applications
Flame Resistance	IEC 60332-1



FibreBand Part Number			
<b>OM1</b>	62.5/125µm	=	FBOM1LT++
<b>OM2</b>	50/125µm	=	FBOM2LT++
<b>OM3</b>	50/125µm	=	FBOM3LT++
<b>OS1</b>	9/125µm	=	FBOS1LT++

++ = number of Fibres

