



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 to today's installations.

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

Using LSZH 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 tight buffered cables are available in two designs, a single unit version capable of providing from 2 to 24 fibres and a multi unit version capable of providing from 24 to 144 fibres.

An Aramid strength member is used to give exceptional resistance to pulling force during installation.

Optical Performance

	OM1	OM2	OM3	OS1
	62.5/125µm	50/125µm	50/125µm	9/125µm
	(850/1300nm)	(850/1300nm)	(850/1300nm)	(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	-
Tight Buffer Diameter	900µm	900µm	900µm	900µm

2—144 Fibres

Fibre Count	HT Pn.	Nominal Outer Diameter	Nominal Weight	Maximum Tensile Load		Minimum Bend Radius	
				Short-Term	Long-Term	Loaded	Installed
Single Unit		mm	kg/km	N	N	cm	cm
2	***TB02	5.1	23	660	300	7.7	5.1
4	***TB04	5.3	28	660	300	8.0	5.3
6	***TB06	5.7	32	660	300	8.6	5.7
8	***TB08	6.0	37	660	300	9.0	6.0
12	***TB12	7.1	47	660	300	10.6	7.1
16	***TB16	8.4	68	1320	600	12.6	8.4
24 single unit	***TB24	11.1	78	1320	600	16.7	11.1
6 fibre sub-units							
24 multi-unit	***OS1TB24	14.8	151	1500	750	28.8	14.8
12 Fibre Sub-units							
36	***TB36	16.7	162	1500	750	25.0	16.7
48	***TB48	18.2	207	2700	1000	27.5	18.2
60	***TB60	20.7	257	2700	1000	31.0	20.7
72	***TB72	21.3	318	2700	1000	32.0	21.3
84	***TB84	23.2	381	2700	1000	35.0	23.2
96	***TB96	25.6	454	2700	1000	38.5	25.6
144	***TB144	27.1	480	2700	1000	41.5	27.1

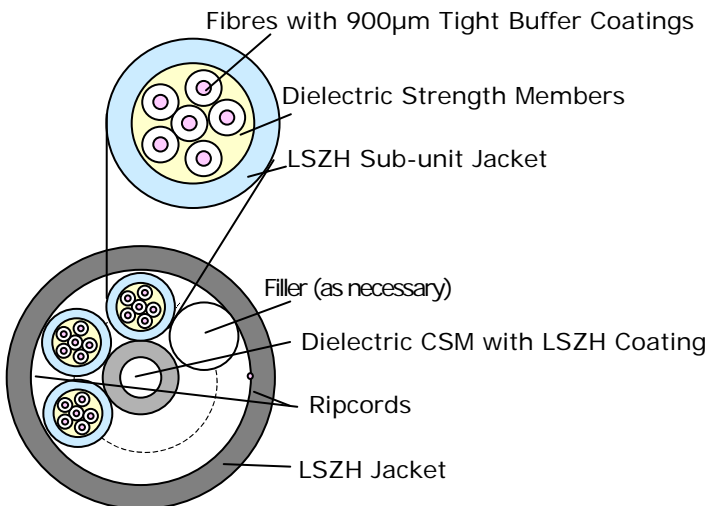
	Single Unit		Multi Unit	
	2 & 4 Cores	None	All fibre counts	Two
Ripcord	6~24 Cores	One		
Strength Members	Aramid Yarns			
Central Strength Member	N/A		FRP with LSZH Coating	
Storage Temperature	-40°C to +75°C			
Installation Temperature	-40°C to +75°C			
Operating Temperature	-20°C to +70°C			
Fire Performance	LSZH for Internal/External Applications			
Flame Resistance	IEC 60332-1			



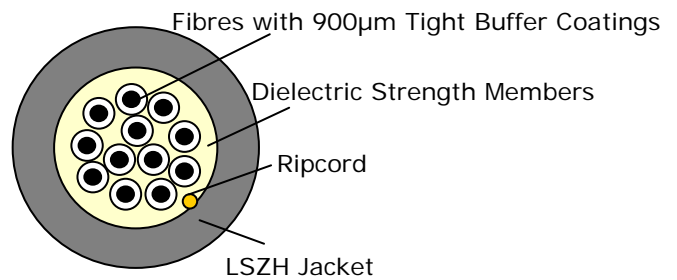
FibreBand Part Number			
OM1	62.5/125µm	=	FBOM1TB++
OM2	50/125µm	=	FBOM2TB++
OM3	50/125µm	=	FBOM3TB++
OS1	9/125µm	=	FBOS1TB++

++ = number of Fibres

Multi-unit Cable



Single-unit Cable



ISO 14001



Certificate No. EMS 504454

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