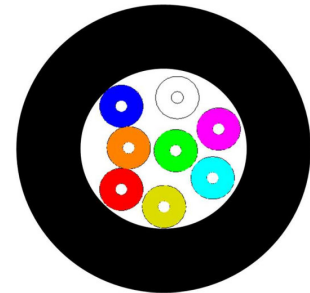


# Universal Distribution Tight Buffer Singlemode Cable up to 24 Fibres



Universal tight buffer optical fibre cables have been designed specifically for internal and external applications. The outer jacket is water and moisture resistant, flame retardant, Low Smoke Zero Halogen.

## Features

- Sequentially Metre Marked
- Internal/External Grade
- LSOH Black Sheath
- Duct Grade
- CPR compliant to Eca
- Cut to length service

## Standards

EN 187 000, IEC 60794-2, IEC 60794-2-20,  
ISO 11801-1, EN 50173-1

## Flame Resistance

LSHF (LSOH): IEC 60332-1-2; IEC 60754-2; IEC 61034; Class Eca

## Construction

Fibre	2 - 24 tightly buffered fibres 900µm ± 50µm			
Fibre Colour Code	1	Red	13	Red w/mark every 70mm
	2	Green	14	Green w/mark every 70mm
	3	Blue	15	Blue w/mark every 70mm
	4	Yellow	16	Yellow w/mark every 70mm
	5	White	17	White w/mark every 70mm
	6	Grey	18	Grey w/mark every 70mm
	7	Brown	19	Brown w/mark every 70mm
	8	Violet	20	Violet w/mark every 70mm
	9	Turquoise	21	Turquoise w/mark every 70mm
	10	Black	22	White w/mark every 35mm
	11	Orange	23	Orange w/mark every 70mm
	12	Pink	24	Pink w/mark every 70mm
Strength Member	E- Glass rovings			
Sheath	Black, halogen free, UV stabilised			
Sheath Marking	EXAMPLE: *METRE MARKED* - FASTFIBRE OPTICAL FIBRE CABLE TBM308BKLSZHEF 8 FIBRE TB OM3 50/125 ECA *BATCH NUMBER* * WEEK/YEAR*			

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### Physical Properties

Attribute	IEC 60794-1-21/22 Method	Limits						
		2	4	6	8	12	16	24
Fibre Count	-	2	4	6	8	12	16	24
Nominal Diameter [mm]	-	6	6.5	6.5	7.0	7.5	8.0	8.5
Nominal Weight [kg/km]	-	32	34	36	39	43	52	63
Maximum installation load [N]	-	1500					2100	2400
Short Term Tensile Strength [N]	E1	1000					1400	1600
Permanent Tensile Strength [N]	E1	500					1000	1500
Crush (compressive strength) [N/100 mm]	E3	3000					1000	1000
Impact [J]	E4	20J						
Torsion	E7	5 cycles ± 1 Turn						
Minimum bending Radius	E11	50			75		85	
Minimum bending Radius under tension	E18A	100			130		170	
Temperature Range	F1	Operation and Installation			Storage		-20°C to 60°C -40°C to 70°C	
Minimum bending Radius of the TB Fibres	G01	With standard fibres			20mm			
Heat of Combustion	[MJ/km] [KWh/m]	660	760	845	970	1180	1400	1700
		0.18	0.21	0.23	0.29	0.33	0.39	0.47

### Ordering Information

Part Number	Description
TBS204BKLSZHEF	Internal/External Tight Buffer Fibre Cable 4 Core OS2
TBS208BKLSZHEF	Internal/External Tight Buffer Fibre Cable 8 Core OS2
TBS212BKLSZHEF	Internal/External Tight Buffer Fibre Cable 12 Core OS2
TBS224BKLSZHEF	Internal/External Tight Buffer Fibre Cable 24 Core OS2

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