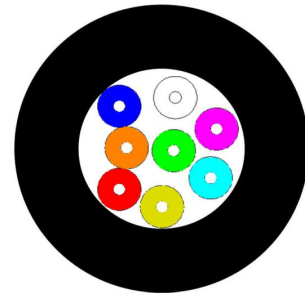


Universal Distribution Tight Buffer Multimode Cable up to 24 Fibres



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
- Bend Insensitive
- 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						
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	Bend Insensitive			7.5mm			
Heat of Combustion	[MJ/km]		660	760	845	970	1180	1400	1700
	[kWh/m]		0.18	0.21	0.23	0.29	0.33	0.39	0.47

Ordering Information

Part Number	Description
TBM304BKLSZHEF	Internal/External Tight Buffer Fibre Cable 4 Core OM3
TBM308BKLSZHEF	Internal/External Tight Buffer Fibre Cable 8 Core OM3
TBM312BKLSZHEF	Internal/External Tight Buffer Fibre Cable 12 Core OM3
TBM324BKLSZHEF	Internal/External Tight Buffer Fibre Cable 24 Core OM3
TBM404BKLSZHEF	Internal/External Tight Buffer Fibre Cable 4 Core OM4
TBM408BKLSZHEF	Internal/External Tight Buffer Fibre Cable 8 Core OM4
TBM412BKLSZHEF	Internal/External Tight Buffer Fibre Cable 12 Core OM4
TBM424BKLSZHEF	Internal/External Tight Buffer Fibre Cable 24 Core OM4