

# Fibre Optic

## Multitube Loose Tube Cable LSZH

### Cable Design

Central element	GRP
Multi Loose Tube	Loose Tube (Dry Tubes WB) with colour coded optical fibres
Strength Members	Reinforced Fibreglass Yarns WB (Waterblocking)
Rip cord	Yes
Outer Jacket	LSZH – Halogen free, low smoke and flame retardant - Black

### Application

Universal (Outdoor/Indoor), Data Centres

### Specifications

Fibres	12	24	32	36	48	64	72	96
Fibres per Tube	12	12	8	12	12	8	12	12
Total / Active Tubes	6/1	6/2	6/4	6/3	6/4	8/8	6/6	8/8
Weight (Kg / Km)	114	115	115	116	117	144	118	145
Outer Ø (mm ± 0,5)	10,8	10,8	10,8	10,8	10,8	12,0	10,8	12,0
Max. Tensile Load (N)	2500 (Operation) / 4500 (Installation) – (IEC 60794-1-21 E1)							
Max. Crush (N/10cm)	2000 (IEC 60794-1-21 E3)							
Temperature Range	-20°C to +70°C (Operation) / -10°C to +50°C (Installation) – (IEC 60794-1-22 F1)							
Min. Bending Radius	15 x Outer Ø (Operation) / 20 x Outer Ø (Installation) - (IEC 60794-1-21 E11)							
Water tightness	Watertight (3m / 24h / 1m / Optical Core / IEC 60794-1-22 F5B)							

### Colour Code

Fibres colour code	Red – Green – Grey – Yellow – Blue – Turquoise – White – Brown – Violet – Orange – Pink – Black.
Tubes colour code	Red – Green – Natural - ... - Natural. Passive tubes colour black.



# Fibre Optic

## Multitube Loose Tube Cable LSZH

### Standards

Mechanical and Environmental	according to IEC 60794-1-21 and IEC 60794-1-22.
Fire Behaviour	Flame retardant (IEC 60332-1) Fire retardant (IEC 60332-3) Halogen free (IEC 60754-1/-2) Low smoke emission (IEC 61034-2) CPR Classification (B2ca, s1a, d0, a1)



*Belcom Cables Ltd. ("Belcom") reserves the right to make changes to the product described in this specification without prior notice. Belcom does not assume any liability which may occur due to the use of the specification described herein. Drawings are not to scale unless otherwise specified and are provided for general and informational purposes only. All values represented in this specification should be used as a guide only and exact product details can be confirmed at point of enquiry.*