

# SureLIGHT®

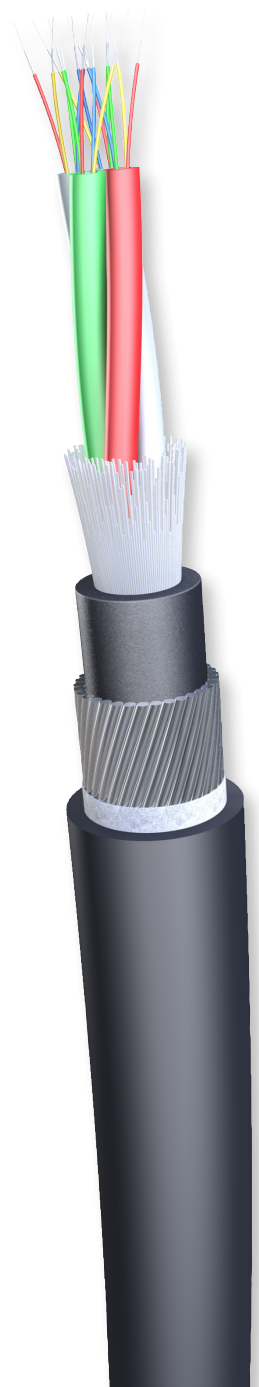
Armoured Multi Loose Tube (MLT)

Fibre Optic Cable



## Cable Design

Fibre Type	- Singlemode 9/125 µm - Multimode 50/125 µm - Multimode 62,5/125 µm
Loose Tube	(PBT) Thermoplastic material, Gel filled with optical fibres
Identification	(1 Red, 2 Green, 3-4 White)
Diameter	2,40 ± 0,2 mm
Strength Member	Reinforced Fibreglass Yarns WB (Waterblocking)
Inner Jacket	FR-LSZH FireFighter®, UV-Stable
Diameter	Ø 9,20 ± 0,2 mm
Colour	Black
Armour	Galvanised Steel Wire Armour (SWA)
Tape	Water-swellable tape
Outer Jacket	FR-LSZH FireFighter®, UV-Stable
Diameter	Ø 13,80 mm ± 10%
Colour	Black



## Specification

Part Number	No. Of Fibres
1410*244MLT-01	24
1410*364MLT-01	36
1410*484MLT-01	48

\* denotes fibre type required : 1=62.5/125 OM1 | 2 = 50/125 OM2 | 3 = 50/125 OM3  
4 = 50/125 OM4 | 8 = 9/125

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## Armoured Multi Loose Tube (MLT) Fibre Optic Cable

### Fire Performance

Flame Retardant	IEC 60332-1/-3
Halogen Free	IEC 60754-1/-2
Smoke Density	IEC 61034-2

### Mechanical & Thermal Characteristics

Tensile strength (max.)	*E1	4500	N
Crush resistance	*E3	3000	N/10cm
Impact resistance	*E4	3	impacts (w/20N.m)
Bending Radius (min.)	*E11A	15	x Ø
	*E11B	25	x Ø (load)
Moisture resistance	*F5	passed	
Compound flow	*E14	30cm/24h/70°C passed	
Temperature Range	*F1	Installation	-10 to+50 °C
	*F1	Operating	-40 to+70 °C
	*F1	Storage	-40 to+70 °C

\* IEC 60794-1-2

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