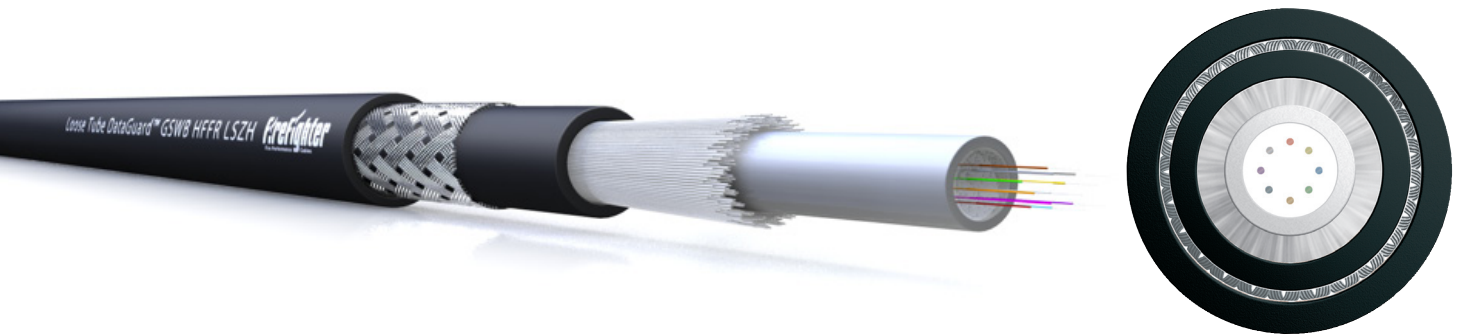


SureLIGHT™ CLTGF DataGuard™ GSWB Armoured • LSZH FireFighter™ • HFFR

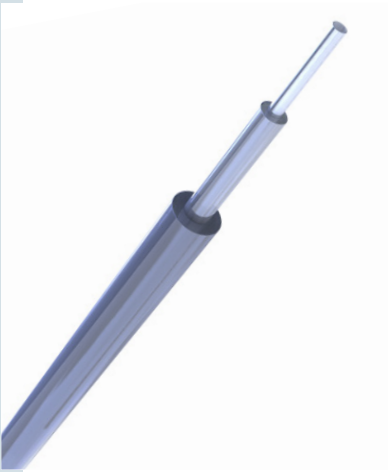


Cable Construction		Mechanical Characteristics	
Optical Fibres:	Primary coated, $\varnothing 250 \pm 15\mu\text{m}$	Bending radius for fibres and tube	> 25 mm
Central tube:	Jelly filled (non-dripping silicon free with up to 24 fibres) $\varnothing 3.20\text{mm}$	Bending radius for cable	Static 10 x \varnothing
Colour Code:	to IEC 60304		Dynamic 20 x \varnothing
Strength member:	Glass fibre yarns (swellable for longitudinal watertightness and as rodent protection)	Watertightness	acc. to IEC 60794-1-2-F5 YES
Inner Jacket:	LSZH FireFighter™, Black	Thermal Characteristics	
Armour:	DataGuard™ Galvanised steel wire braid (GSWB)	Storage	-30°C to +70°C
Outer Jacket:	LSZH FireFighter™, Black	Temperature range	Installation -5°C to +50°C
		Operating	-30°C to +70°C
		Fire behaviour	
		Halogen free	acc. to IEC 60754-2 (602)
		Flame retardant	acc. to IEC 60332-3C

Part Number	No. of fibres	\varnothing of Jacket (Inner / Outer)(mm)	Weight (kg/km)	Colour
2410*044CLT-01	4	6.1 / 9.06	145	Black
2410*084CLT-01	8	6.1 / 9.06	145	Black
2410*124CLT-01	12	6.1 / 9.06	145	Black
2410*164CLT-01	16	6.1 / 9.06	145	Black
2410*244CLT-01	24	6.1 / 9.06	145	Black

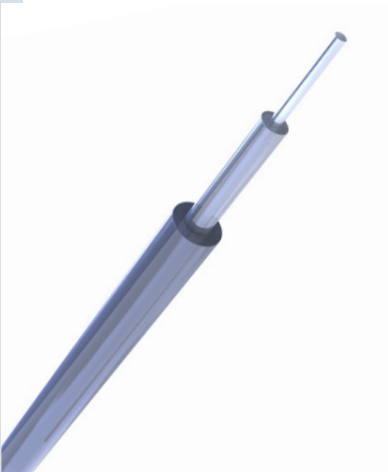
*denotes fibre type required 1 = 62.5/125 | 2 = 50/125 OM2 | 3 = 50/125 OM3 | 8 = 9/125

Optical Characteristics



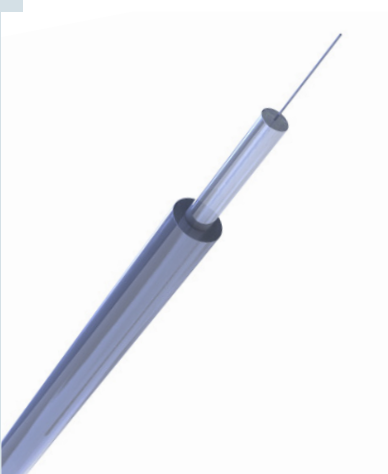
62.5/125 OM1 multi-mode graded-index optical fibres acc. to IEC 60793

Fibre Type	Mode-Field Diameter (µm)	Wavelength (nm)	Attenuation average/ max. (dB/km)	Bandwidth (MHz·km)	Ethernet Performance (m)		Num. Aperture (µm)	Refr. Index
					1 GBE	10 GBE		
62.5/125 OM1	62.5 ± 2.5	850	2.7 / 3.2	≥ 200	275	33	0.275 ± 0.015	1.495
	125 ± 1	1300	0.6 / 1.1	≥ 600	550	n.a		



50/125 OM2 / OM3 multi-mode graded-index optical fibres acc. to IEC 60793

Fibre Type	Mode-Field Diameter (µm)	Wavelength (nm)	Attenuation average/ max. (dB/km)	Bandwidth (MHz·km)	Ethernet Performance (m)		Num. Aperture (µm)	Refr. Index
					1 GBE	10 GBE		
50/125 OM2	50 ± 2.5	850	2.3 / 2.8	≥ 600	600	82	0.20 ± 0.015	1.481
	125 ± 1	1300	0.6 / 0.9	≥ 1200	600	n.a		
50/125 OM3	50 ± 2.5	850	2.6 / 2.8	≥ 1500	600	300	0.20 ± 0.015	1.481
	125 ± 1	1300	0.6 / 0.9	≤ 500	550	n.a		



9/125 G652D single-mode matched-cladded optical fibre acc. to ITU

Fibre Type	Mode-Field Diameter (µm)	Wavelength (nm)	Attenuation average/max. (dB/km)	Dispersion (ps/(nm·km))	PMD (ps/km)	Cable Cut-off Wavelength (nm)
9/125 G652D	9.2 ± 0.4	1310	0.32 / 0.40	≤ 3.5	≤ 0.2	≤ 1260
	125 ± 0.7	1550	0.21 / 0.30	≤ 18		