



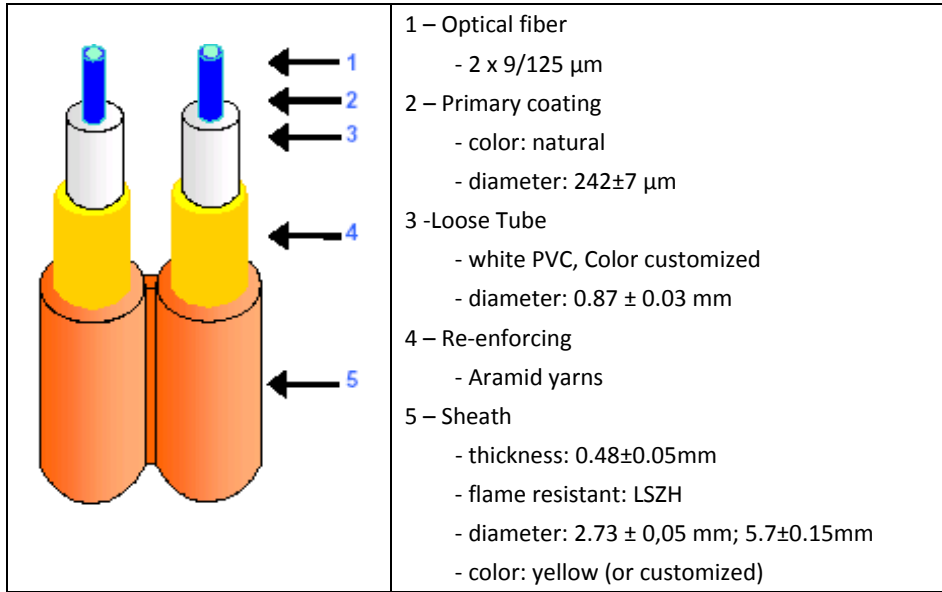
# Tramco Fiber Optic Cable

## LSZH SM 9/125 Duplex 3.0mm Cable

### Application

Used for connection between two buildings, indoor distribution, patch-cord and pigtail.

### Cable Construction



### Cable Performance

Temperature Range	°C	-20 -- +70
Weight	g/m	14.2
Bending Radius	Install	mm
		20
Bending Radius	Static	Mm
		10
Tensile Load	Short term	N
		300
Tensile Load	Long term	N
		160
Crush Resistance	N/100 mm <sup>2</sup>	1000

### Fiber Optical Characteristics

Cladding diameter	$\mu$ m	125.0 $\pm$ 1.0
Cladding non-circularity	%	$\leq$ 1.0
Core/Cladding concentricity error	$\mu$ m	$\leq$ 0.6
Coating non-circularity	%	$\leq$ 6.0
Mode field diameter @1310nm	$\mu$ m	9.2 $\pm$ 0.4
Mode field diameter @1550nm	$\mu$ m	10.4 $\pm$ 0.8
Maximum attenuation @ 1310nm	dB/km	$\leq$ 0.36
Maximum attenuation @ 1550 nm	dB/km	$\leq$ 0.22
Fiber cut-off wavelength	nm	$\geq$ 1180 $\leq$ 1330
Cable cut-off wavelength	nm	$\leq$ 1260
Maximum zero dispersion wavelength	nm	$\geq$ 1302 $\leq$ 1322
Zero dispersion slope	ps/(nm <sup>2</sup> ·km)	$\leq$ 0.091



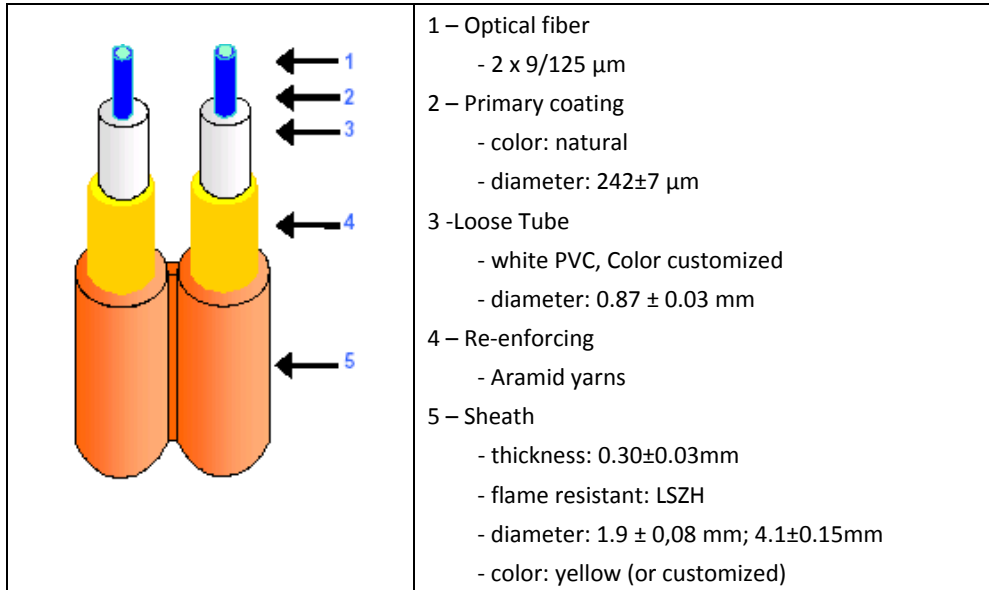
# Tramco Fiber Optic Cable

## LSZH SM 9/125 Duplex 2.0mm Cable

### Application

Used for connection between two buildings, indoor distribution, patch-cord and pigtail.

### Cable Construction



### Cable Performance

Temperature Range	°C	-20 -- +70	
Weight	g/m	8.6	
Bending Radius	Install	mm	20
Bending Radius	Static	Mm	10
Tensile Load	Short term	N	160
Tensile Load	Long term	N	80
Crush Resistance	N/100 mm <sup>2</sup>	1000	

### Fiber Optical Characteristics

Cladding diameter	$\mu\text{m}$	$125.0 \pm 1.0$
Cladding non-circularity	%	$\leq 1.0$
Core/Cladding concentricity error	$\mu\text{m}$	$\leq 0.6$
Coating non-circularity	%	$\leq 6.0$
Mode field diameter @1310nm	$\mu\text{m}$	$9.2 \pm 0.4$
Mode field diameter @1550nm	$\mu\text{m}$	$10.4 \pm 0.8$
Maximum attenuation @ 1310nm	dB/km	$\leq 0.36$
Maximum attenuation @ 1550 nm	dB/km	$\leq 0.22$
Fiber cut-off wavelength	nm	$\geq 1180 \leq 1330$
Cable cut-off wavelength	nm	$\leq 1260$
Maximum zero dispersion wavelength	nm	$\geq 1302 \leq 1322$
Zero dispersion slope	ps/(nm <sup>2</sup> ·km)	$\leq 0.091$