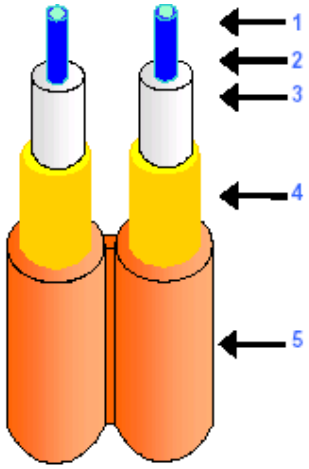
Tramco Fiber Optic Cable

LSZH MM 50/125 Duplex 3.0mm Cable

Application

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

Cable Construction



1 – Optical fiber
- 2 x 50/125 µm

2 – Primary coating
- color: natural
- diameter: 242±7 µm

3 -Loose Tube
- white PVC, Color customized
- diameter: 0.87 ± 0.03 mm

4 – Re-enforcing
- Aramid yarns

5 – Sheath
- thickness: 0.48±0.05mm
- flame resistant: LSZH
- diameter 2.73 ± 0,05 mm; 5.7±0.15mm
- color: orange (or customized)

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^2	1000

Fiber Optical Characteristics

Core Diameter	µm	50±2.5
Cladding diameter	µm	125.0±1.0
Cladding non-circularity	%	≤1.0
Coating/Cladding concentricity error	µm	≤12.0
Coating non-circularity	%	≤6.0
Maximum attenuation @ 850 nm	dB/km	≤2.3
Maximum attenuation @ 1300 nm	dB/km	≤0.55
Bandwidth @ 850 nm	MHz . km	≥500
Bandwidth @ 1300 nm	MHz . km	≥1000

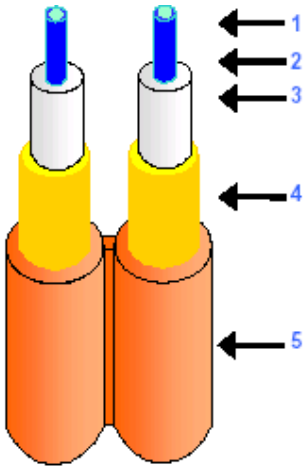
Tramco Fiber Optic Cable

LSZH MM 50/125 Duplex 2.0mm Cable

Application

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

Cable Construction



1 – Optical fiber
- 2 x 50/125 µm

2 – Primary coating
- color: natural
- diameter: 242±7 µm

3 -Loose Tube
- white PVC, Color customized
- diameter: 0.87 ± 0.03 mm

4 – Re-enforcing
- Aramid yarns

5 – Sheath
- thickness: 0.30±0.03mm
- flame resistant: LSZH
- diameter 1.9 ± 0,08 mm; 4.1±0.15mm
- color: orange (or customized)

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^2	1000

Fiber Optical Characteristics

Core Diameter	µm	50±2.5
Cladding diameter	µm	125.0±1.0
Cladding non-circularity	%	≤1.0
Coating/Cladding concentricity error	µm	≤12.0
Coating non-circularity	%	≤6.0
Maximum attenuation @ 850 nm	dB/km	≤2.3
Maximum attenuation @ 1300 nm	dB/km	≤0.55
Bandwidth @ 850 nm	MHz . km	≥500
Bandwidth @ 1300 nm	MHz . km	≥1000