72 Fibre Stranded Loose Tube Cable with LSZH Sacrificial Sheath

Stranded cable comprising up to 72 optical fibres contained in jelly-filled loose tubes (up to 12 fibres per tube). The tubes and fillers are laid around a central strength member and contained within a dry, water blocked cable core, sheathed with polyethylene (PE), termite resistant nylon jacket and an additional sacrificial LSZH outer sheath. Surface printing includes length marking at one metre intervals.

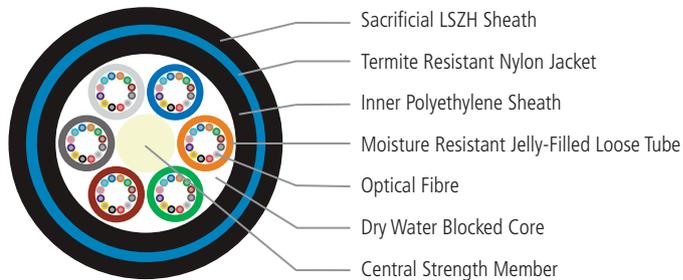## Part Number

LMH6**PM0††##

LKH6**PM0¥¥##

Applicable Specifications

AS/CA S008, AS 1049, AS/NZS 11801-1, AS/NZS IEC 60332.1, TIA-598-D, IEC 60793, IEC 60794, ITU-T Recommendations

Applications

Stranded loose tube cable is ideal for short and long-haul, point-to-point and point-to-multipoint backbone applications. The addition of LSZH (Low-Smoke Zero Halogen) sheath protects the inner termite resistant Nylon barrier and minimizes the flammability content of the cable making it suitable for use in indoor, free draining duct/conduit, protected (non-UV exposed) environments such as road/rail tunnels.

Cable Components

- Sacrificial LSZH Sheath
- Termite Resistant Nylon Jacket
- Inner Polyethylene Sheath
- Moisture Resistant Jelly-Filled Loose Tube
- Optical Fibre
- Dry Water Blocked Core
- Central Strength Member

Physical Characteristics

SPECIFICATION		UNIT	VALUE
Nominal Tube Diameter		mm	2.0
Nominal Cable Diameter		mm	11.6
Nominal Weight		kg/km	130
Temperature Range		°C	-40 to 70
Max. Pulling Tension - Install		kN	2
Min. Bending Radius - Under Load		mm	20 x OD
Min. Bending Radius - No Load		mm	10 x OD
Max. Crush Resistance	Short-term (10 min)	kN/100 mm	2
	Long-term (120 min)	kN/100 mm	2
Impact		kg.m	1

** Represents any fibre type, 1D = SM G.652.D "LWP", 1E = SM premium G.652.D "LWP", 1F = SM G.657.A1, 62 = 62.5 μm multimode "OM1", 53 = 50 μm multimode "OM3", 55 = 50 μm multimode "OM4". Contact AFL for other fibre types.

†† Represents any fibre-count up to 72 (LMH6 - 12F/Tube).

¥¥ Represents any fibre-count up to 36 (LKH6 - 6F/Tube).

Represents LSZH sheath colour, BK = Black, BE = Blue, WE = White, YW = Yellow, other colours available upon request.

Refer to OSP Cable - Optical Characteristics for further information.