

144 Fibre Stranded Loose Tube Cable with LSZH Sacrificial Sheath

Stranded cable comprising 144 optical fibres contained in jelly-filled loose tubes (12 fibres per tube). The tubes 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

LMHC**PM144##

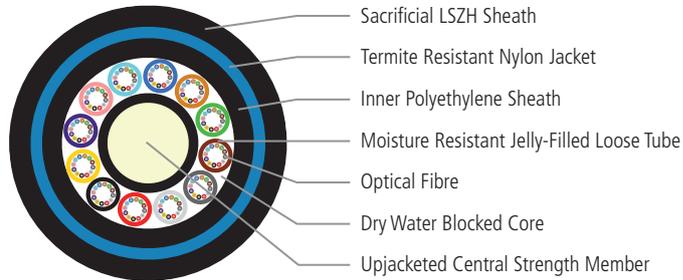
Applicable Specifications

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



Physical Characteristics

SPECIFICATION	UNIT	VALUE	
Nominal Tube Diameter	mm	2.0	
Nominal Cable Diameter	mm	15.6	
Nominal Weight	kg/km	230	
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 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.