

## 144 Fibre High Strength Stranded Loose Tube Cable with 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 forming a conventional HS1 cable with an additional UV stable sacrificial PE outer sheath. Surface printing includes length marking at one metre intervals.

### Part Number

LMKC\*\*J\$144BK

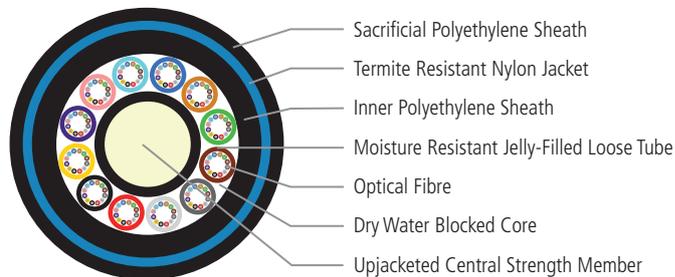
### Applicable Specifications

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

### Applications

High strength stranded loose tube cable is ideal for long-haul, backbone applications where the cable is being installed in rocky or expansive soils, suitable for duct & direct-burial applications. Cable has been rigorously tested for lateral & axial compressive loads to simulate the demands of expansive black soil. The addition of an outer black PE sacrificial sheath protects the inner termite resistant Nylon from damage during installation. UV stabilised outer jacket as per AS 1049.

### Cable Components



### Physical Characteristics

SPECIFICATION	UNIT	VALUE	
Nominal Tube Diameter	mm	3.2	
Nominal Cable Diameter	mm	22.2	
Nominal Weight	kg/km	375	
Temperature Range	°C	-40 to 70	
Max. Pulling Tension - Install	kN	6	
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	6
	Long-term (120 min)	kN/100 mm	3
Impact	kg.m	1.5	

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

\$ Represents Outer Sacrificial Polyethylene Sheath colour type, A = Black, B = Colours other than Black.

Supplied with BK = Black sheath as standard, the following colours are available upon request: BE = Blue, GY = Grey, YW = Yellow, WE = White.

Refer to OSP Cable - Optical Characteristics for further information.