

## 144 Fibre High Strength Stranded Loose Tube Cable

Stranded cable comprising up to 144 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, taped and contained within a dry, water blocked cable core which is sheathed with polyethylene (PE) and insect resistant Nylon.

### Part Number

LMJC\*\*JA+++GY

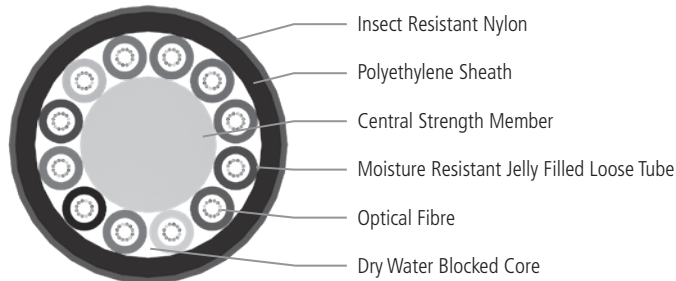
### Applicable Specifications

AS/CA S-008, AS/NZS 3080, IEC 60793, IEC 60794, ITU-T Recommendations

### Applications

High strength stranded loose tube cable is ideal long haul backbone applications and is typically used by telecommunication carriers in applications where the cable is being installed in rocky or expansive soils. The water blocked, dry cable core design suits point to point and point-multipoint fibre installations where spur cables are spliced from the backbone. Whilst the Nylon is UV stabilised, AFL recommends the use of an additional sacrificial black PE jacket where the cable will be directly exposed to UV rays.

### Cable Components



### Physical Characteristics

SPECIFICATION	UNIT	VALUE
Nominal Tube Diameter	mm	3.2
Nominal Cable Diameter	mm	21
Nominal Weight	kg/km	320
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	kN/100 mm	6
Impact	kg/m	2

\*\* Represents any fibre type, 1D = SM G652.d "LWP", 1F = SM G657.A1, 62 = 62.5 um multimode "OM1", 50 = 50 um multimode "OM2", 53 = 50 um multimode "OM3", 55 = 50 um multimode "OM4". Contact AFL for other fibre varieties. +++ Represents any fibre-count up to 144.

Actual finished product may vary from illustration.