

## 144 Fibre High Strength Non-Metallic Armoured Stranded Loose Tube Cable

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, glass composite armour and outer UV stable, polyethylene sheath forming a conventional HS1 cable. Surface printing includes length marking at one metre intervals.

### Part Number

NMJC\*\*JB144##

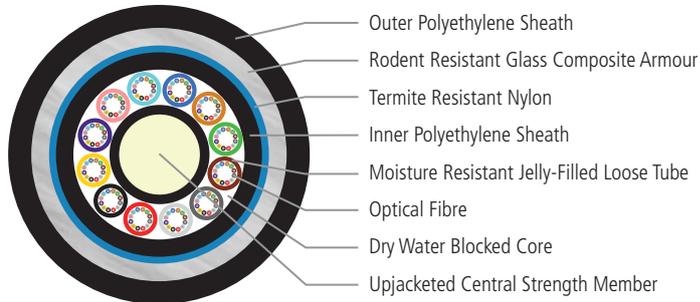
### Applicable Specifications

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

### Applications

High strength non-metallic armoured stranded loose tube cable is ideal for short and long-haul, point-to-point, point-to-multipoint, backbone applications and can be installed in rocky or expansive soils, suitable for duct and direct-burial applications. The glass composite armour over the Nylon Jacket provides rodent resistance and robustness to the cable, whilst increasing the tensile strength. Cable has been rigorously tested for lateral and axial compressive loads to simulate the demands of expansive black soil. 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	26	
Nominal Weight	kg/km	520	
Temperature Range	°C	-10 to 70	
Max. Pulling Tension - Install	kN	17	
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 "LWP", 62 = 62.5 µm multimode "OM1", 53 = 50 µm multimode "OM3", 55 = 50 µm multimode "OM4". Contact AFL for other fibre types.

## Represents sheath colour, BK = Black (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.