

## 144 Fibre 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. Surface printing includes length marking at one metre intervals.

### Part Number

NMDC\*\*PB144##

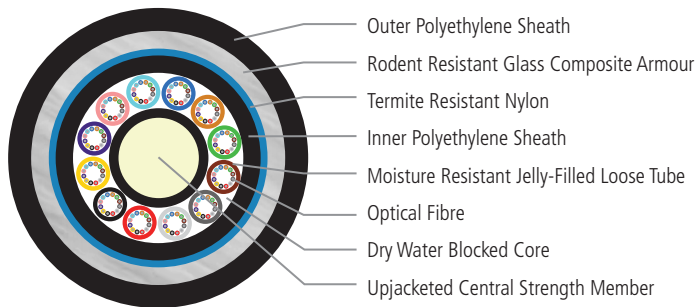
### Applicable Specifications

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

### Applications

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-duct or direct-buried. The glass composite armour over the Nylon Jacket provides rodent resistance and robustness to the cable, whilst increasing the tensile strength. UV stabilised outer jacket as per AS 1049.

### Cable Components



### Physical Characteristics

SPECIFICATION	UNIT	VALUE	
Nominal Tube Diameter	mm	2.0	
Nominal Cable Diameter	mm	18.8	
Nominal Weight	kg/km	290	
Temperature Range	°C	-40 to 70	
Max. Pulling Tension - Install	kN	7	
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	2.0
	Long-term (120 min)	kN/100 mm	2.0
Impact	kg.m	1.5	

\*\* 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 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.