

144 Fibre Non-Metallic Armoured 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), insect resistant nylon, glass composite armour and outer PE jacket. Surface printing includes length marking at one metre intervals.

Part Number

NMDC**PB+++BK

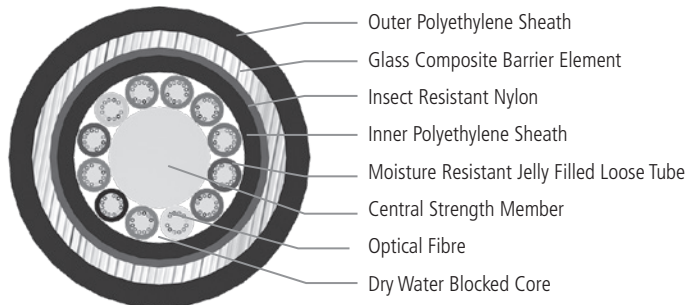
Applicable Specifications

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

Applications

Non-metallic armoured stranded loose tube cable is ideal for short and long haul backbone applications and can be installed in-duct or direct-buried. The glass composite armour improves resistance to rodent attack and provides an additional layer of protection to the inner insect resistant Nylon barrier. These additional layers also increase tensile strength and general cable robustness. The water blocked, dry cable core stranded design suits point-point and point-multipoint fibre installations where spur cables are spliced from the backbone.

Cable Components



Physical Characteristics

SPECIFICATION	UNIT	VALUE
Nominal Tube Diameter	mm	2.0
Nominal Cable Diameter	mm	18
Nominal Weight	kg/km	285
Temperature Range	°C	-40 to 70
Max Pulling Tension - Install	kN	7
Min Bending Radius - Under Load	mm	30 x OD
Min Bending Radius - No Load	mm	15 x OD
Max Crush Resistance	kN/100 mm	2.0
Impact	kg/m	1.5

** 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. Supplied with Black (BK) Sheath as standard - the following colours available upon request: BE-Blue, YW-Yellow, WE-White.

Actual finished product may vary from illustration.