

LOOSE TUBE DRY CORE FIBRE OPTIC CABLES

Loose Tube Dry Core fibre should be used when the required cable is either direct buried or installed within underground conduit. This type of fibre is designed to withstand most outdoor conditions including moisture ingress, thermal shock, lightning, wind abrasion, and ice loading. Loose Tube fibre has a ruggedised external PE jacket.

At our 4Cabling fibre termination facility we can manufacture pre-terminated cable to your specifications including length and connector type. Our loose tube dry core fibre optic cables are fully tested and ready to be installed. All cables can be supplied on cable drums ready to ship out to your installation.



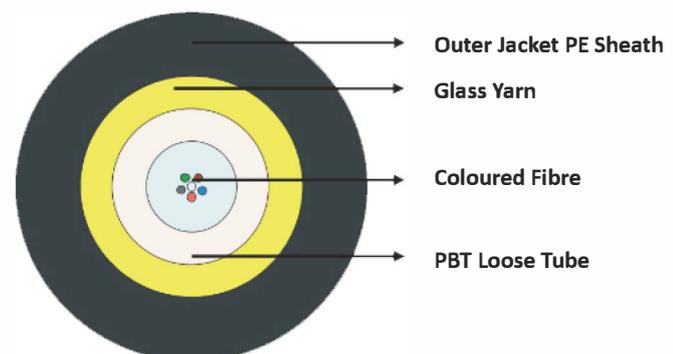
Applications:

Fibre Optic Loose Tube Cables are designed to suit underground duct or conduit installations
Provides flexibility and versatility to your installation
Structured or premise wiring systems in backbones and/or inter-building
Perfect for the harsh Australian environment

FEATURES

Conforms to ITU-651, TIA/EIA492AAAD
Manufactured with stringent quality control
Fully tested - all leads are supplied with a factory test report
Supports high speed multi-channel data, voice & video applications
Sheath printing includes length marking at one metre intervals
External PE jacket
Pulling systems available

CABLE COMPONENTS



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Product Specifications

Item	Unit	Single Mode	Multi Mode
Attenuation	dB/km	1310nm \leq 0.4 1550nm \leq 0.3	850 nm \leq 3.5 1300 nm \leq 1.5
Bandwidth	MHz·km		50/125um 62.5/125um 850nm \geq 200 850nm \geq 160 1300nm \geq 200 130nm \geq 200
Dispersion	Ps/nm.km	1285~1330nm \leq 3.5 1550nm \leq 18.0	
Zero Dispersion Wavelength	Nm	1300~1324	
Zero Dispersion Slope	Ps/nm.km	\leq 0.095	
Fibre Cutoff Wavelength	Nm	\leq 1260	
Mode Field Diameter	Um	9.2 \pm 0.5	
Mode Field Concentricity	Um	\leq 0.8	
Cladding Diameter	Um	125 \pm 1.0	125 \pm 10
Cladding Non-Circularity	%	\leq 1.0	\leq 1.0
Coating/Cladding Concentricity Error	Um	\leq 12.5	\leq 12.5
Coating Diameter	Um	245 \pm 10	245 \pm 10
Bending, Dependence Induced Attenuation		1550nm, 1 turns 32mm diameter 100 turns 60mm diameter	850nm, 1300nm 100 turns 75mm diameter
Proof Test	KPSI	\geq 100	\geq 100

Temperature Range

Storage or Transportation:	-40~70°C
Operation:	-40~70 °C

Physical Characteristics

Fibre Count	Outer Jacket Material	OD (mm)	Nominal Weight (kg/km)	Max. Tension - Short Term	Max. Tension - Long Term	Max. Crushing Resistance (N/100) Short Term	Max. Crushing Resistance (N/100) Long Term
2-12	PE	6.0 \pm 0.3	38	1000	400	1000	300

Specifications are subject to change without notice