

INDOOR / OUTDOOR RISER FIBRE OPTIC CABLE

Using a ruggedised external sheath, Indoor / Outdoor Riser style fibre is ideal for both internal or external applications. Designed to safely run inside conduit directly into a building with protection from water damage, UV or other elements they may be exposed to - although resistant to moisture ingress the cable is not designed for permanent immersion in water. This helps reduce the need for multiple fibre transitions. For purely indoor applications this fibre features improved durability which helps reduce installation time as well as providing enhanced protection against damage.



At our 4Cabling fibre termination facility we can manufacture pre-terminated cable to your specifications including length and connector type. Our Indoor / Outdoor Riser Fibre Optic Cables are fully tested and ready to be installed and can be supplied on cable drums ready to ship out to your installation.

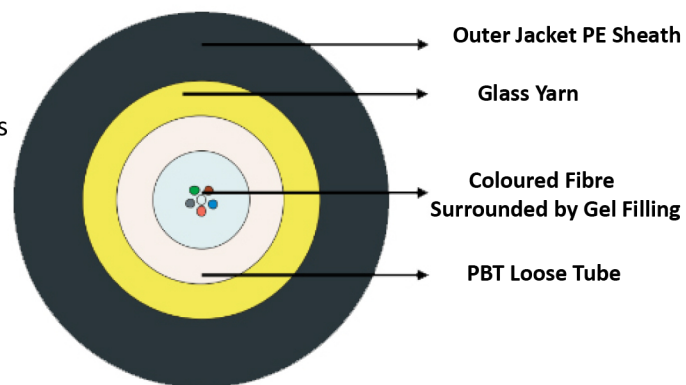
Applications:

Designed for internal or protected outdoor use (when installed in ducts or conduits)
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
- 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
- UV-resistant jacket for exposed situations
- Pulling systems available

CABLE COMPONENTS



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

Temperature Range

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

Physical Characteristics

Fibre Count	OD	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	6.0±0.3 mm	38	1000	400	1000	400