



Engineered for Australian Infrastructure

DZG Optical Fiber Solutions: Superior
Technical Specifications, Deep
Customization, and Local Supply.

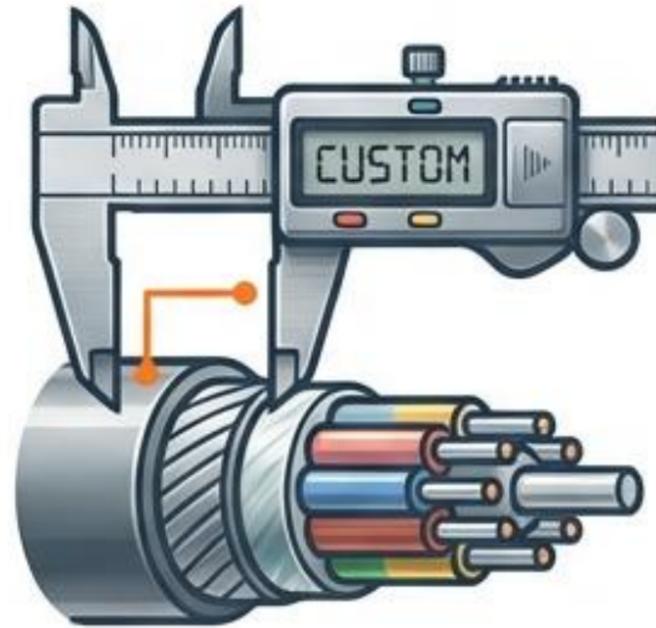


The DZG Advantage



Superior Technical Specs

Engineered for extremes. Features like -40°C to $+70^{\circ}\text{C}$ operating ranges and 2200N crush resistance easily outpace standard local requirements.



Deep Customization

Agile manufacturing allows for non-standard color sequences (TIA/EIA-598-B compliant), customized lengths, and bespoke armorings—capabilities rigid incumbents cannot match.



Local Market Readiness

Stock available in Melbourne warehouse. Immediate availability eliminates long import lead times for specialized NBN contractors and wholesalers.

Benchmarking Excellence: DZG vs. Local Standards

Crush Resistance (FTTx Drop Cable)

Industry Standard

1000N



+120% Superior Crush Protection

DZG GJXFH

2200N / 100mm

Temperature Resilience (Outdoor Cables)

Industry Standard

-10°C

+70°C

DZG

-40°C

+70°C

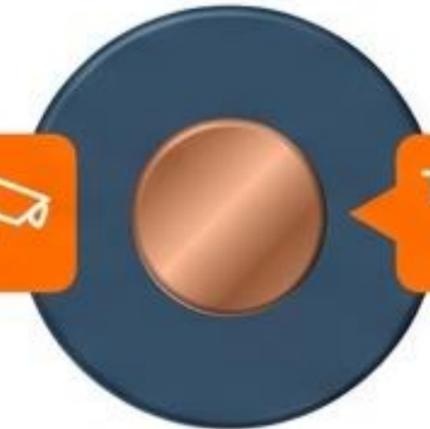


**Winter-Ready
for VIC & TAS**

Hybrid Cable Conductor



Standard Cat5e
(0.5mm)



DZG GDA
(1.5mm² copper)

**The 5G & CCTV
Golden Spec**

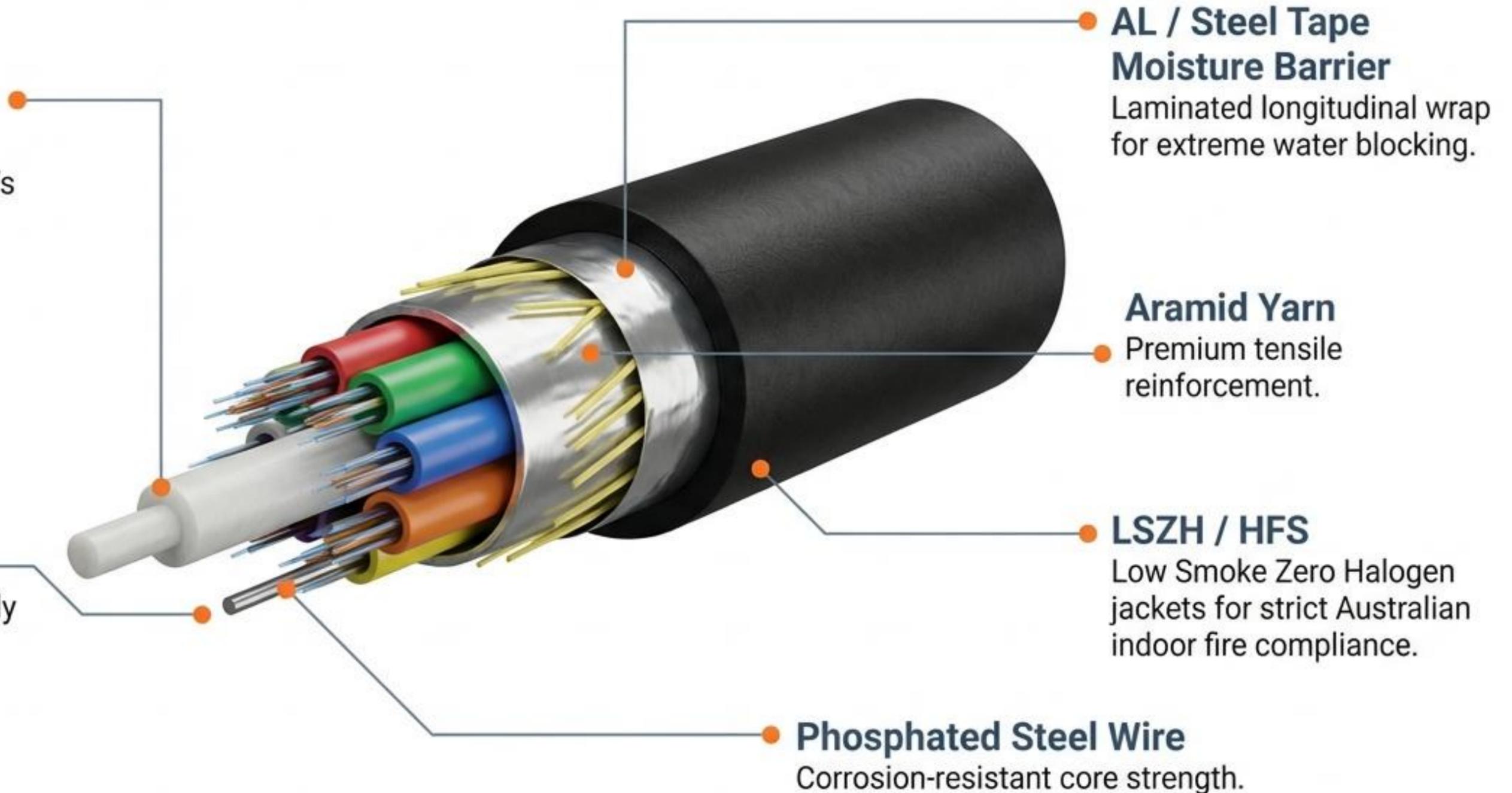
Core Technology & Construction

FRP Central Strength Member

Non-metallic, high Young's modulus GRP/FRP core.

Loose Tube

Filled with specialized jelly to protect fibers from moisture and stress.



Outdoor Core & Distribution: The Backbone

GYTA & GYTS Series designed for long-haul duct and aerial installations.

Key Specs

Key Specs	Capacity: 2 to 288+ Cores
	Crush Resistance: 1000N (Short) / 300N (Long)
	Tensile Strength: 1500N (Short) / 600N (Long)
	Lifespan: 30+ Years

Core Features

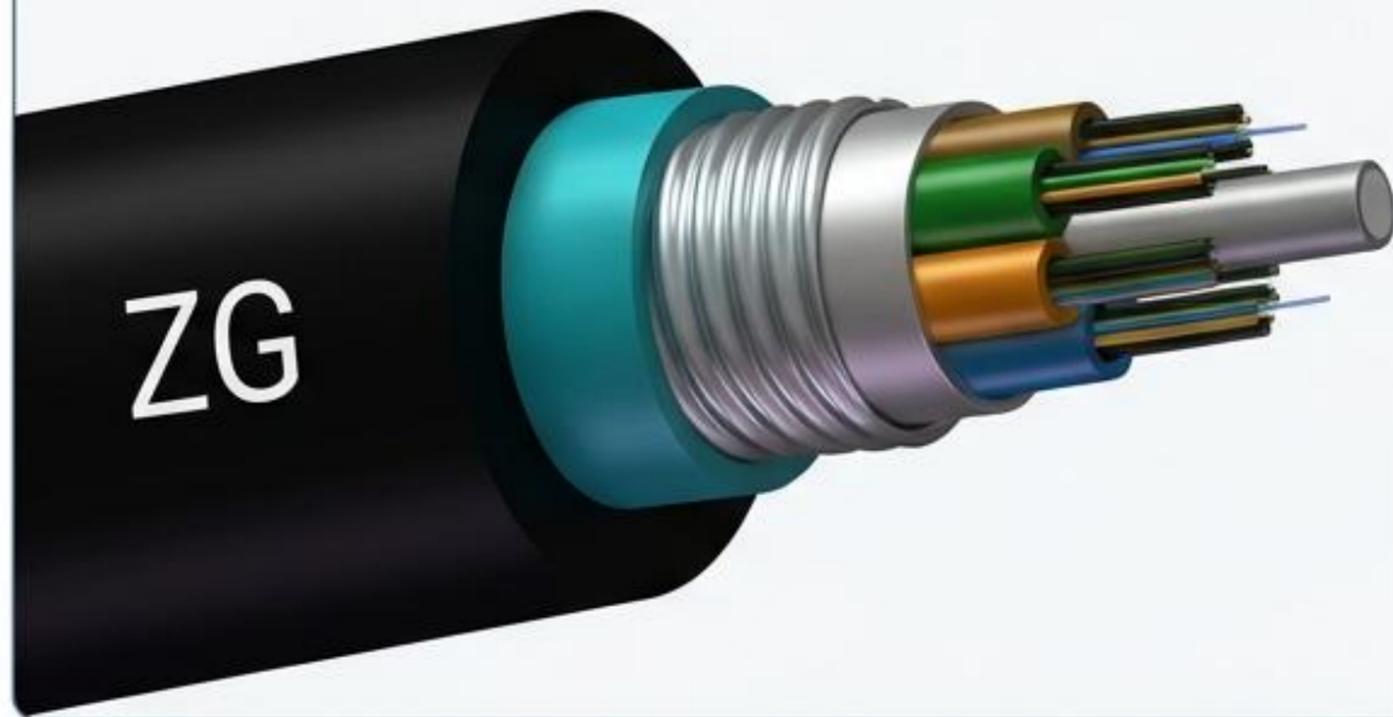
Full cross-section water-blocking, double-sided coated aluminum (GYTA) or corrugated steel tape (GYTS).



Extreme Protection: Direct Buried & Underwater

GYTY53, GYTA53, and GYTA33 Series.

Direct Buried (GYTY53/GYTA53)



- Corrugated steel tape armor, PE inner/outer jackets.
- Pull: 3000N / Crush: 3000N
- Optional anti-rodent stainless steel armor.

Underwater (GYTA33)



- Double-layer armor (aluminum tape + fine round steel wire).
- Pull: 10000N / Crush: 5000N
- Engineered for steep inclines and submersion.

Aerial & All-Dielectric Solutions

Spanning vast distances safely with GYFTY, GYTC85, and ADSS.

ADSS (All Dielectric Self-Support)

Safe spans up to 1200m. Aramid yarn reinforcement. Meets DL/T 788-2001 standards. Anti-tracking (AT) outer jacket available for high-voltage fields.



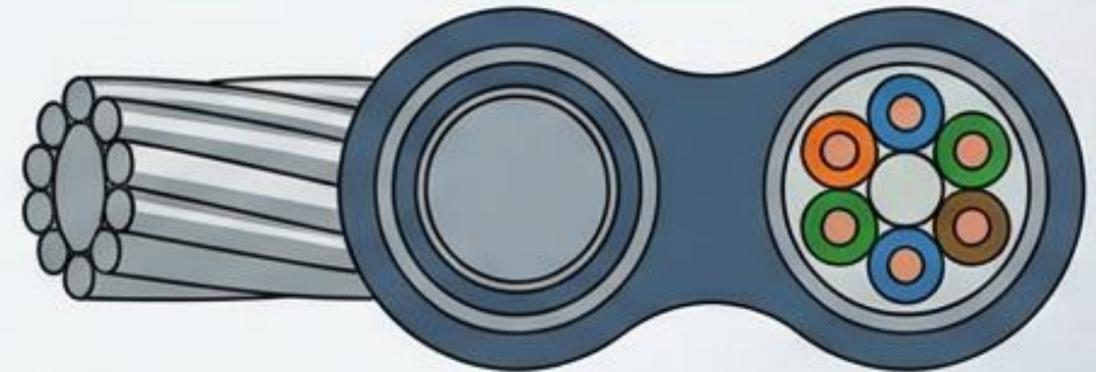
GYFTY (All-Dielectric)

FRP non-metallic core. Completely immune to lightning and electromagnetic interference. Ideal for power grids.



GYTC85 (Figure-8)

Self-supporting high-tensile structure, reducing installation labor costs.



FTTx Drop Cables: The Last Mile

GJXFH (Non-metallic) & GJYXCH (Metallic) Series.



Premium Fiber

G.657 bend-insensitive fiber minimizes signal loss in tight Australian residential corners.

Rapid Installation

Easy-strip flat '8' design requires no special tools, drastically cutting contractor labor costs.

Versatility

Self-supporting variants (600N tensile) available for aerial NBN drops; LSZH jackets standard for indoor compliance. Factory or field-terminable.

Optic-Electrical Hybrid Cables (GDA Series)

The Golden Spec for Remote Power & High Bandwidth.

Key Specs

- **Power:** 1.5mm² copper conductors (Red/Blue or Red/Blue/Yellow).
- **Data:** 2-12 optical cores.

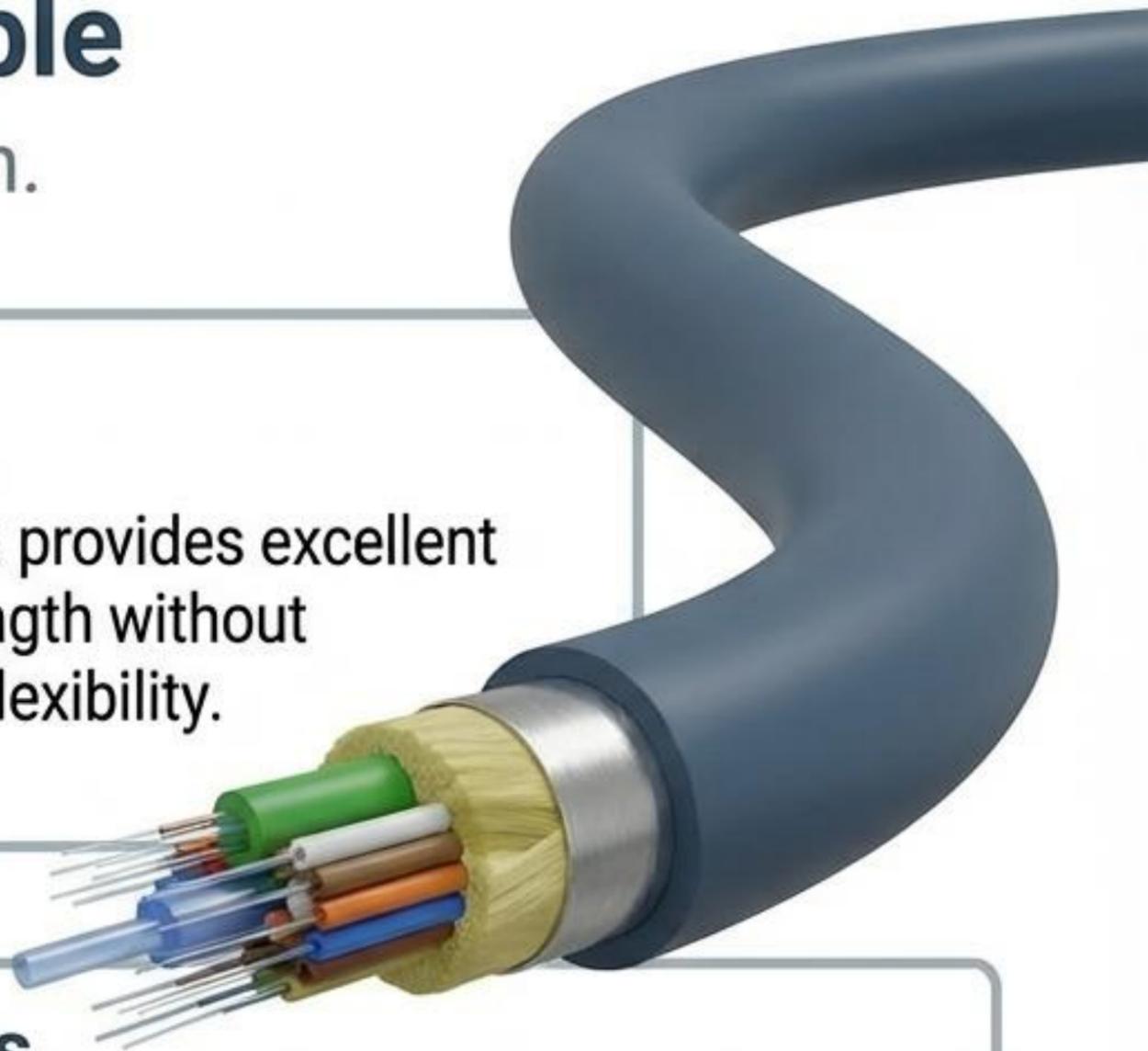


Use Cases

Solves the remote power problem for 5G micro-base stations, expansive CCTV networks, and unmanned remote telecom rooms. LAP aluminum tape ensures outdoor durability.

Indoor Data Cables: Safe & Flexible

Simplex, Duplex, and Tight-Buffered Distribution.



Construction



900µm tight-buffered fibers for easy stripping and termination.

Reinforcement



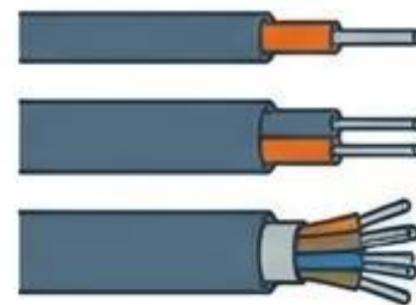
Aramid yarn provides excellent tensile strength without sacrificing flexibility.

Compliance



Strict LSZH (Low Smoke Zero Halogen) jacketing to meet UL OFNR/OFNP and YD/T1258 standards.

Variants



Simplex (GJAFJV), Duplex Figure-8 (GJFJBV), and Multi-purpose stranded (GJPFJV).

High-Density & Ribbon Solutions

Maximum capacity in minimum space (GYDXTW & GYDTA).

Key Specs:

- GYDXTW (Central Tube): Parallel steel wire reinforcement, up to **432 cores**.
- GYDTA (Stranded): Up to **600+ cores**. High fiber density, easy to branch, and **reduces mass splicing time**.

Applications:

Datacenter trunking, CATV networks, and high-volume urban conduits.



Specialized Industrial Environments

Tactical Mobile (GMFJU)



PUR (Polyurethane) jacket. Exceptional anti-twist, abrasion, and oil resistance for military or temporary field deployments.

Mining & Heavy Industry (GJGJG2)



Stainless steel corrugated tube armor provides ultimate crush resistance while remaining flexible.

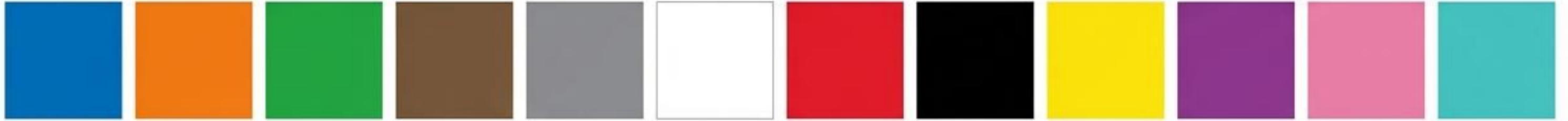
Waterproof Pigtails (GYJYA)



Layered aluminum tape moisture barrier for reliable outdoor-to-indoor cabinet transitions.

Global Standards & Color Coding

Fully compliant with TIA/EIA-598-B.



Pilot tracking colors and fully bespoke color sequences available upon request to match legacy localized **infrastructure**.

The Business Value: Supply & Customization



Bespoke Manufacturing:

Custom jacket colors with longitudinal striping for multi-cable route identification. Non-standard drum lengths available to minimize wastage.



Agile Fulfillment:

Faster manufacturing lead times than entrenched multinational incumbents.



Local Readiness:

Critical inventory stock available directly from our Melbourne warehouse, ensuring rapid deployment for urgent infrastructure projects.

Partner with EcoFiber / DZG

Secure your supply chain with technically superior, locally available optical fiber engineered for Australia.



Infrastructure Wholesalers:
Contact us for volume pricing and warehouse stocking programs.



Specialized Contractors:
Request technical data sheets and physical product samples for physical product samples for NBN/FTTx evaluation.

[Placeholder for Local Australian Sales Rep / Email / Phone / Melbourne Warehouse Address]