



Nusfun EcoFiber

The Premier Connectivity Solution
for the Australian Network.

Engineered for Extreme Climates
& High-Efficiency Installation.

Engineered for Australia's Extremes



Extreme Climates

From Tasmanian alpine freezes to Northern Territory desert heat.



Vast Distances

Remote deployments requiring zero-maintenance reliability.



High Labor Costs

Driving the need for faster, easier installations.



Strict Compliance

Meeting and exceeding rigid NBN and local building standards.

The Nusfun Edge



Superior Protection

Crushing industry specifications for mechanical and temperature resilience.



Ultimate Labor-Saving

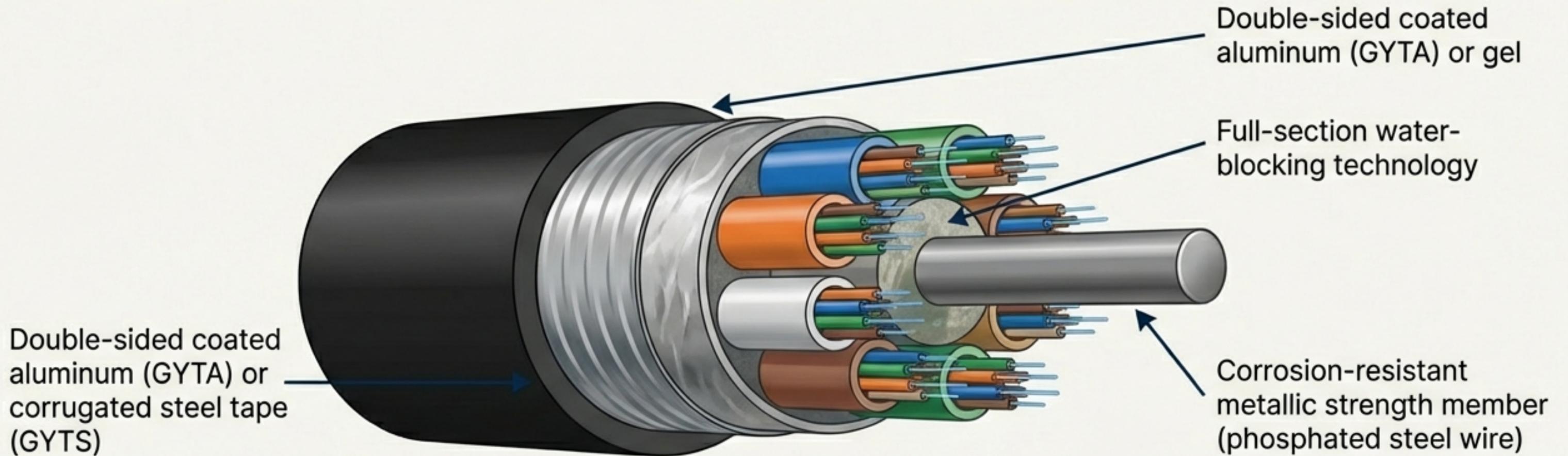
Purpose-built structures designed to slash installation and splicing time.



Local Agility

Custom color coding, flexible lengths, and local Melbourne stock beating multinational lead times.

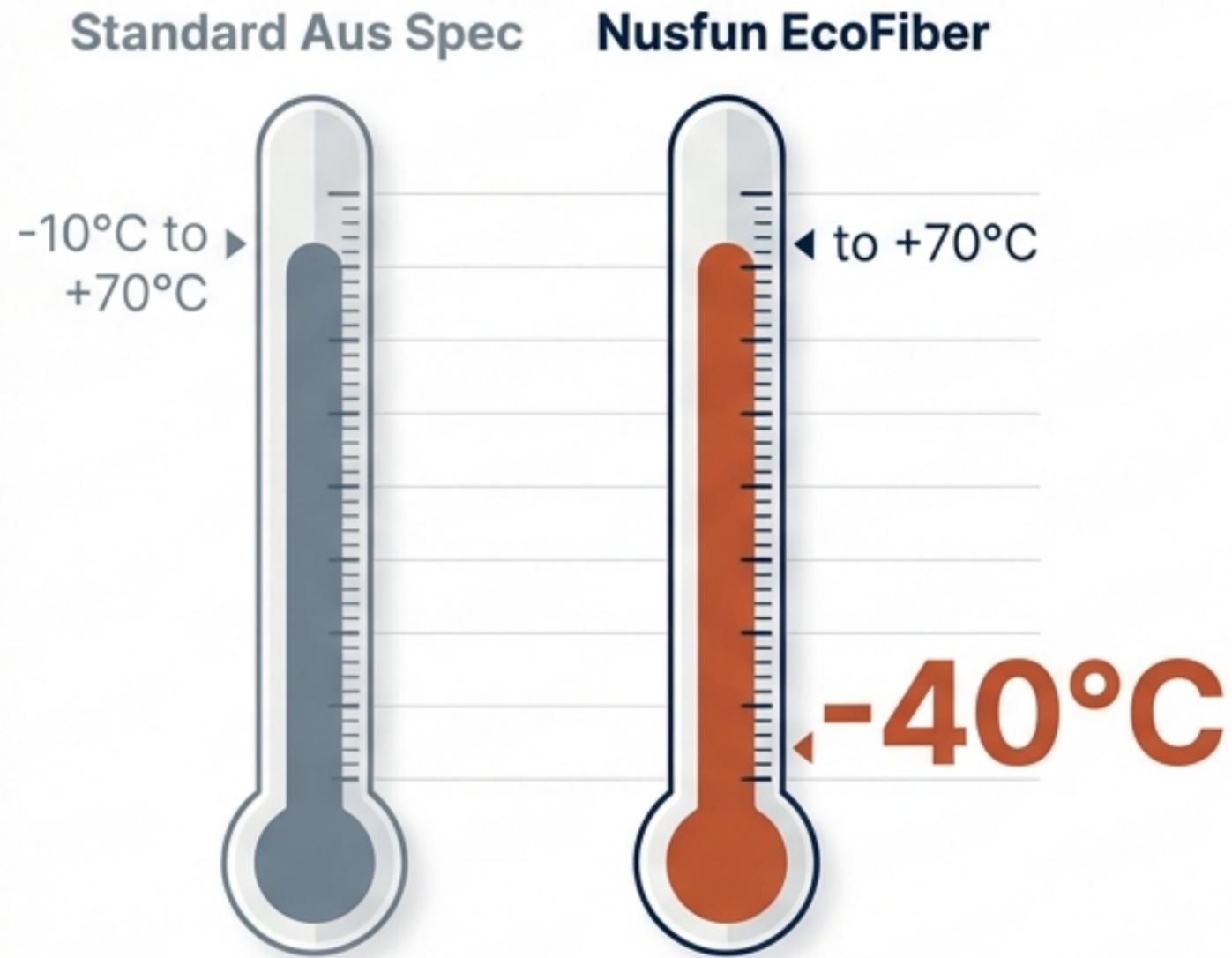
Core Product Line 1: Outdoor Backbone & Distribution



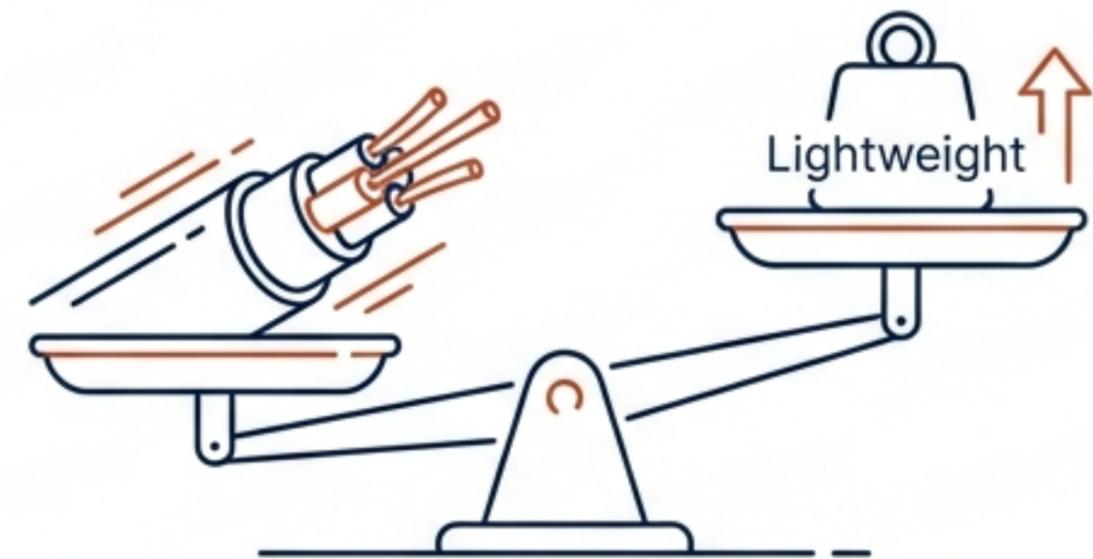
Engineered for a 30+ year lifespan in complex underground environments.

Benchmarking the Backbone

Comparison 1



Comparison 2



Lightweight for 2-36 core designs with highly customizable tensile strength (MAT 1500N to 3000N) tailored to specific span requirements.

Core Product Line 2: FTTx Drop Cables

Tailor-made for NBN projects and residential access.

“Our G.657 bend-insensitive fiber exceeds NBN requirements for indoor macro-bending.”

Indoor (GJXFH)

- LSZH (Low Smoke Zero Halogen) flame-retardant sheath.
- 10x cable diameter static bend radius for tight corners.

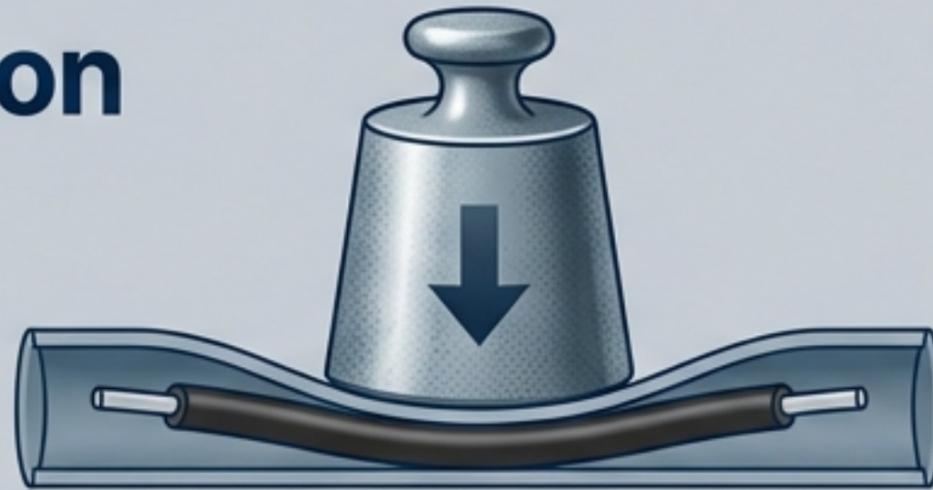
Outdoor (GJYXCH)

- Self-supporting design with additional strength members.
- 600N short-term tensile strength for aerial drops and high wind resistance.

The Protection & Labor Advantage



Protection



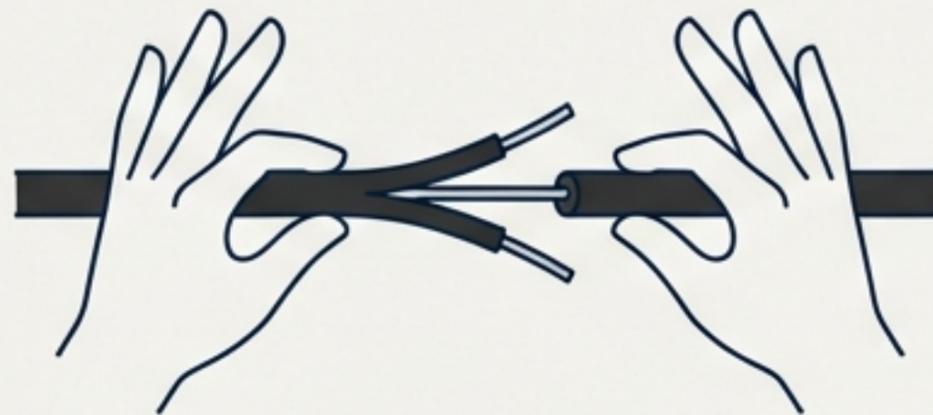
Industry Standard: **1000N / 10cm**

Nusfun EcoFiber: **2200N / 10cm**

Drastically **minimizes** fiber damage in squeezed wall crevices.



Labor



Feature: Fully dry structure, stripped without special tools.

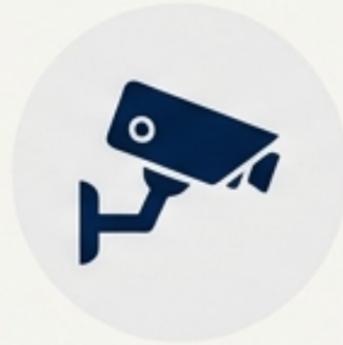
Impact: **Saves 15% - 20% in splicing time**, directly offsetting Australia's high labor costs.

Core Product Line 3: Hybrid Power & Data Cables

Addressing Australia's vast and sparsely populated landscapes.



5G Small Cells



Remote CCTV



Unmanned Equipment Rooms

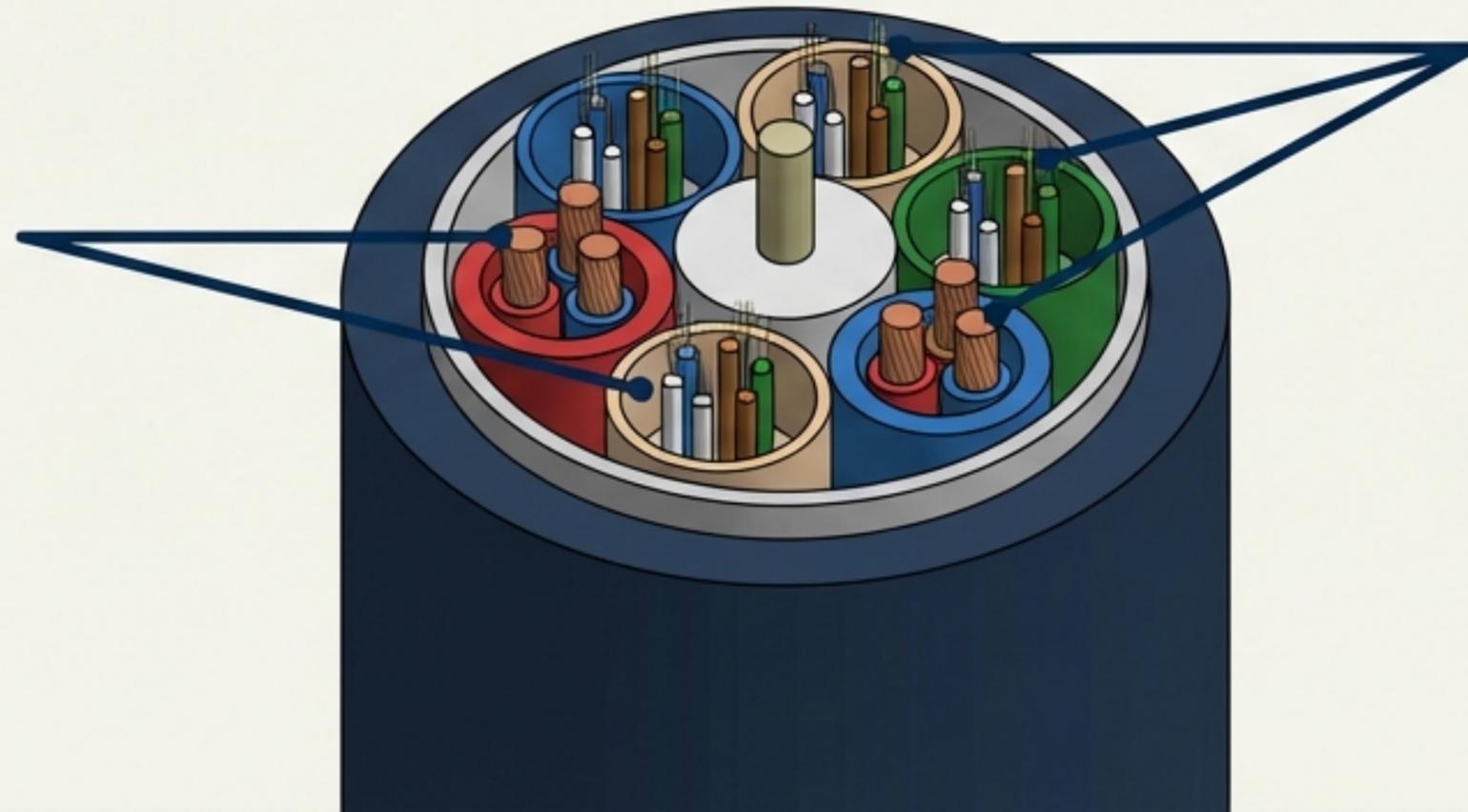
- GDA-XB1 + nx1.5 models.
- LAP aluminum tape longitudinal wrapping for supreme electromagnetic shielding and moisture resistance.
- UV-resistant outer sheath (YD/T2159-2010 compliant) for direct outdoor exposure.

The Hybrid Business Case

One cable, one installation, half the labor cost.

The Golden Spec:

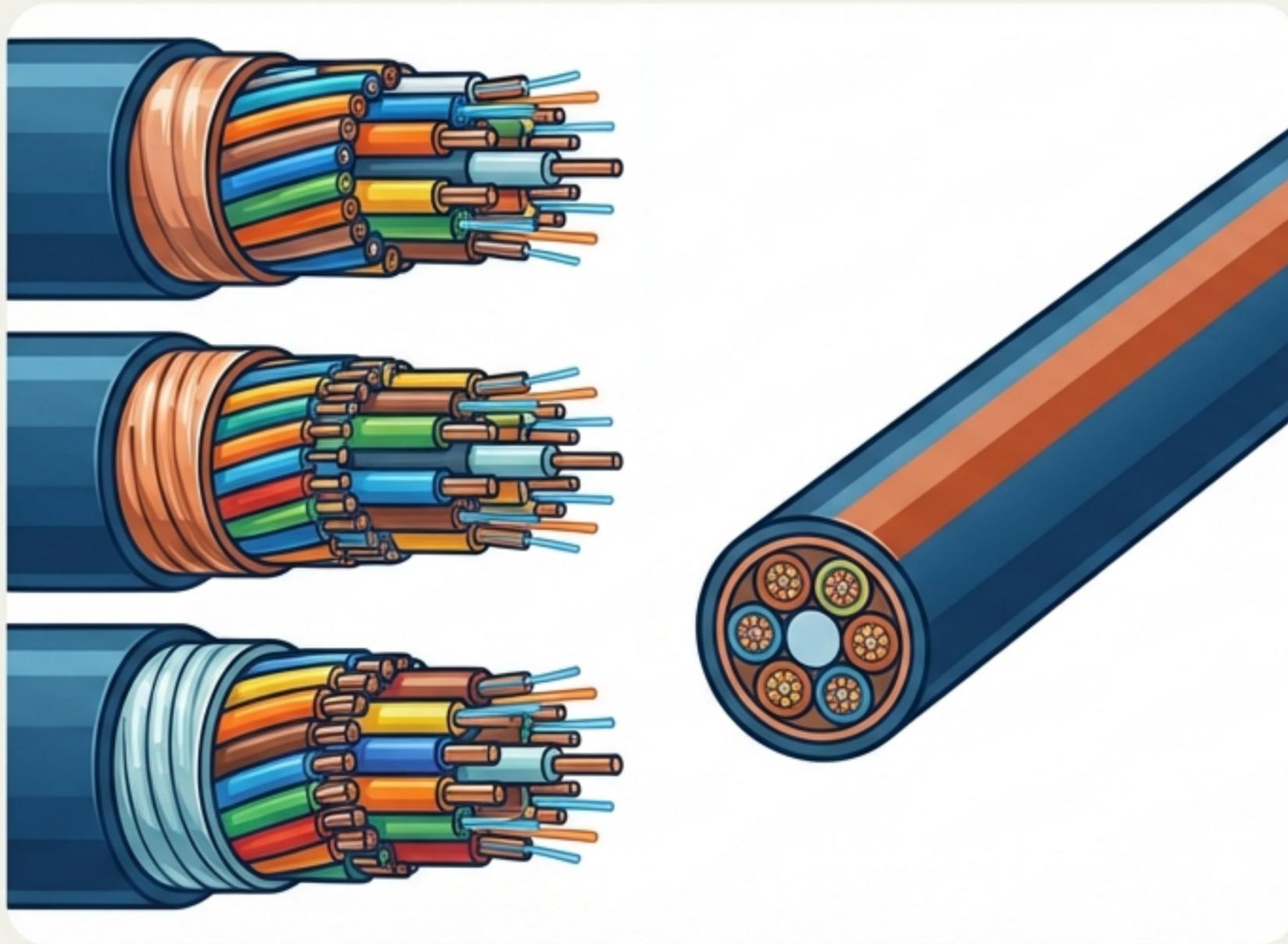
Integrates 2-12 core optical fibers with 1.5mm² (15-16 AWG) copper. The exact specification for Australian Remote DC Power.



Foolproof Termination:

Natural-colored loose tubes vs. Red/Blue PVC-sheathed copper wires. Makes field termination clear at a glance.

Agility Beyond the Specs: Localized Customization



TIA/EIA-598-B Standard

Full support for localized custom color coding tailored to local Australian engineering practices.

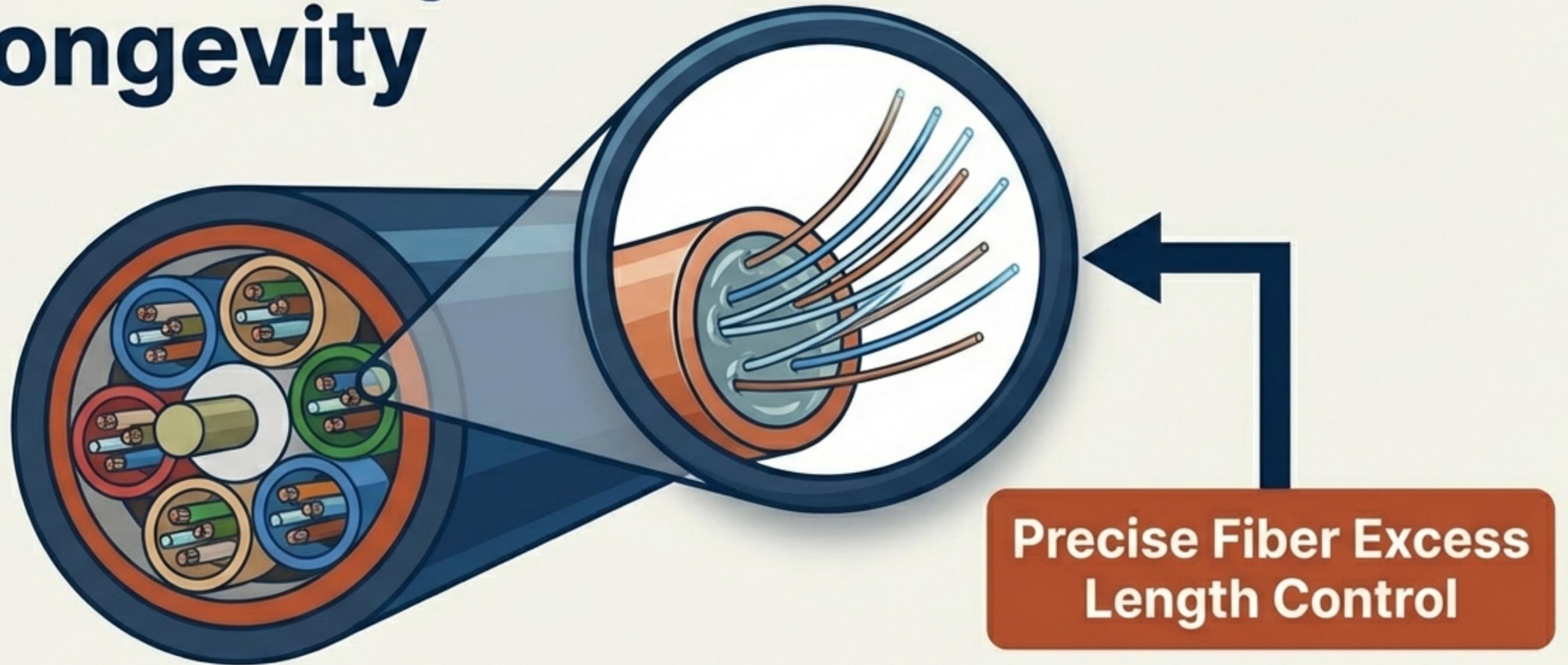
Longitudinal Indicator Stripes

Custom color-coded stripes on outer sheaths for effortless identification of multiple cables sharing the same route.

Rapid Response Runs

Agile production for special specs and non-standard lengths that large multinational giants cannot match.

The Anatomy of Longevity



Strict raw material control and precise management of fiber excess length ensures zero transmission attenuation over the long term. This precise engineering guarantees ultimate operational stability and a 30+ year lifespan, even in high-humidity areas and extreme temperature fluctuations.

The Supply Chain Guarantee

**Stock available
in Melbourne
warehouse.**

Say goodbye to long import waiting times. Immediate local assurance for standard orders, backed by agile factory response for custom project runs.



Partner with Nusfun EcoFiber

Wholesale & Infrastructure

Target: Distributors (e.g., Maser Cable, L&H)

- Outdoor Backbone & Hybrid Cables
- Custom TIA/EIA-598-B color coding

NBN & Residential Contractors

Target: Installation Experts (e.g., OSA, FOS)

- FTTx Drop Cables
- 2200N crush protection & 20% faster splicing

Contact Us

ecofiber.com.au