

ETL SINGLEMODE CPRI ARMoured FIBER PATCH CORD

Applications

- **FTTA (Fiber to the Antenna) Deployments:** Connecting base station BBUs to tower-mounted RRUs/RRHs.
- **Cellular Infrastructure:** 3G, 4G LTE, 5G NR, and DAS (Distributed Antenna System) networks.
- **Outdoor & Industrial Environments:** Ideal for exposed pole mounts, rooftop installations, and harsh weather conditions where rodent resistance is required.



Features

- **IP67 Rated Waterproof Bayonet Plug (PDLC):** High-reliability outdoor connector housing with protective dust cap and lanyard designed for harsh weather conditions.
- **Dual Protection Structure:** Incorporates standard steel armoring on the fan-out legs and a heavy-duty flexible corrugated protective hose over the main breakout junction.
- **Rodent & Mechanical Resistance:** High-tensile steel armoring layer shields against rodent bites, crushing, and bending stress during tower deployments.
- **Low Insertion Loss:** Premium singlemode ceramic ferrules ensure optimal signal transmission stability for high-speed CPRI data links.
- **Plug-and-Play Assembly:** Pre-terminated ends allow quick and secure interconnections between RRU (Remote Radio Unit) and BBU (Baseband Unit).

Specification

Parameters	Specification
Fiber Core Count	2-Core (Duplex)
Fiber Mode	Single mode OS2 (1310 / 1550 nm)
Connector Side A	Outdoor Waterproof Rugged PDLC (Waterproof IP67)
Connector Side B	Standard LC/UPC Duplex with Armored Legs & Protective Flexible Conduit
Jacket Material	Black LSZH (Low Smoke Zero Halogen) / UV-Resistant Outer Sheath
Fan-out / Breakout	30cm
Max Insertion Loss (IL)	≤ 0.3dB (Typical 0.2dB)
Return Loss (RL)	≥ 55dB (UPC) / ≥ 65dB (APC)
Operating Temp	-40°C to +85°C