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ARC DATA Dome Fibre Closure + Integral 1×16 PLC Splitter

Splice and split in one IP68 weather-sealed dome

A mechanical-seal dome fibre splice closure with a built-in 1×16 PLC splitter — distributing one feeder fibre to 16 drops inside a single IP68 enclosure, removing the need for a separate splitter box at the distribution point.





SPLICE TRAYS, SPLITTER & SC ADAPTERS

1×16
PLC SPLITTER

144-Core
MAX (6×24F)

IP68
MECHANICAL SEAL

5 Ports
4 SMALL + 1 LARGE

OVERVIEW

The ARC-DJC-16-S16 is a mechanical-seal dome fibre splice closure with a built-in 1×16 PLC splitter — taking one feeder fibre and distributing it to 16 drops inside a single IP68 enclosure. It removes the need for a separate splitter box at the distribution point, supports uncut (express) cable branching, and accepts splitters, pigtails and adapters for fast FTTH deployment. A tough ABS & MPP housing with high UV-impact resistance keeps the joint gas- and water-tight, and the closure is fully re-enterable for moves and adds.

FEATURES

Integral 1×16 Splitter
One feeder to 16 drops; supports up to 1:32 / 2×1:16.

Flexible Cabling
4 small + 1 large port; 3 mm / figure-8 / 5–7 mm / self-support cable.

Rugged Housing
High UV-impact ABS & MPP; aerial, duct, buried, pole or wall.

IP68 Mechanical Seal
Re-enterable; gas-test valve for seal verification.

High Capacity
Up to 6 trays × 24 fibres = 144-core max.

Field-Ready
SC/LC adapters, 1.5 m pigtails, earthing device, uncut branching.

TECHNICAL SPECIFICATIONS

MECHANICAL

Type	Dome FOSC (mechanical seal) with integral 1×16 PLC splitter
Splitter	1 × 16 PLC; supports 1:32 (1pc) / 1:16 (2pcs)
Dimensions (Ø×H)	230 × 435 mm
Weight	3.3 kg
Cable Ports	4 small ports + 1 large round port
Cable Types	3 mm soft, figure-8, 5–7 mm soft, self-support

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Splice Trays	24 fibres/tray, up to 6 trays
Max Capacity	144 fibres
Material	ABS & MPP, high UV-impact resistance
Sealing	Mechanical seal, re-enterable, gas-test valve
Mounting	Aerial / duct / buried / pole / wall

ENVIRONMENTAL

Ingress Protection	IP68 (UV / water / weatherproof)

COMPLIANCE & ORDERING

- **IP68**; **RCM** (AS/NZS) and **RoHS** compliant. Supplied with sealing kit, hoops, earthing device & installation accessories.

ARC-DJC-16	Dome fibre splice closure, up to 16F (splice only)
ARC-DJC-16-S16	Dome closure with integral 1×16 PLC splitter
Accessories	PLC splitter, SC/LC adapters, SC/LC 1.5 m pigtails (per order)