TECHNICAL SPECIFICATION

72C / 144C
HYBRID CLOSURE

MODEL **ZY-GPJ09-5601**

Mechanically sealed hybrid splice closure for feeder, distribution and drop-cable networks. Patented sealing system, 144-fibre capacity, IP68 — for pole, aerial, wall and direct-burial installation.

CAPACITY	PROTECTION
144 F	**IP68**
SPLICE TRAYS	SEALING
6 × 24C	**Mechanical**



01 OVERVIEW

Product overview

The ZY-GPJ09-5601 is a mechanically sealed hybrid splice closure for optical cable connection and branching. Its patented mechanical sealing has been field-proven, and the unit suits wall mounting, pole mounting, aerial and direct-burial installations.

One closure terminates and protects up to 144 single fibres across six 24-core splice trays, while dedicated drop-cable grommets and fixtures let the same unit act as a distribution point — no special tools are needed to open, re-enter or seal it.



KEY FEATURES

01 High capacity
Up to 144 single fibres, with six 24-core splice trays in one closure.

02 Drop-cable ready
Dedicated grommet and fixture for 12C light aerial cable, 4.0 × 6.0 mm.

03 Tool-free sealing
Patented mechanical sealing — re-entry without special tools.

04 Any mounting
Pole, aerial, wall or direct burial, with stainless steel strap hardware.

APPLICATIONS

WALL	POLE	AERIAL	BURIED
Wall mounted	Pole mounted	Aerial lashed	Direct buried

CONSTRUCTION

BODY
UV-stabilised PP moulding with a stacked rib profile for impact resistance.

SEAL
Patented mechanical sealing, re-enterable on site without special tools.

HARDWARE
Stainless strap, buckle, anchor bolt and hoops for every mounting style.

02 SPECIFICATIONS

Technical specifications

ITEM	PARAMETER
Model	ZY-GPJ09-5601
Dimensions (D × L)	Ø230 × 450 mm
Weight	4.2 – 4.8 kg
Material	PP (polypropylene)
Sealing type	Mechanical
Capacity per tray	24 cores
Max. splice capacity	144 F
Splice trays	Up to 6
Cable ports	5 entrances — 4 single ports, 1 uncut port
FOC diameter	Oval port Ø8 – 18 mm · round port Ø3 – 18 mm
Drop cable	4 × 6 mm (12C light aerial cable)
Protection grade	IP68
Colour	Black

03 PERFORMANCE

Environmental performance

ITEM	PARAMETER
Operating temperature	−40 °C … +65 °C
Insulating resistance	≥ 2 × 10⁴ MΩ
Dielectric strength	15 kV DC / 1 min — no puncture, no flashover

Test conditions Values are typical for the product family and verified by routine factory inspection. Dimensions are nominal; weight depends on the tray and accessory configuration ordered.

04 APPEARANCE

Product appearance



FIG. 02 Closure — closed and open



FIG. 03 24-core splice tray



FIG. 04 Cable platform with earth lead



FIG. 05 Cable ports — 4 single + 1 uncut

The closure body is moulded in UV-stabilised polypropylene with a stacked rib profile for impact resistance. The base carries five sealed cable ports — four single ports with mechanical grommets and one uncut port — plus a bonding stud for the earth lead and a tray stack retained by a stainless steel strap.

05 DESIGN FOR 12C CABLE

Cable grommet & fixture

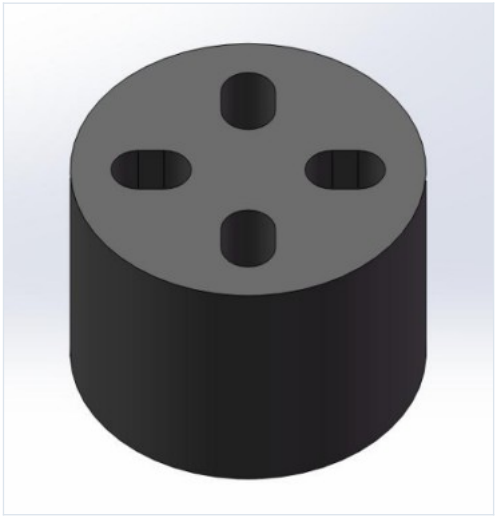


FIG. 06 Drop-cable grommet — 4 holes



FIG. 07 12C aerial-cable fixture

The grommet takes four drop cables of 4.0 × 6.0 mm (12C light aerial cable). Its matching fixture clamps each cable in a 4.3 mm slot so the strength member is restrained independently of the sealing element — the closure stays sealed while individual drops are added or removed.

06 ACCESSORIES

Mounting accessories









Aerial Mount Kits	Wall Mount Kits	Pole Mount Kits

ZUOYEAL

ZUOYEAL TECHNOLOGY

Connecting More, With Fiber

This datasheet describes the ZY-GPJ09-5601 hybrid closure at the time of publication. Dimensions, weights and configurations may change without notice; confirm current values with ZUOYEAL before ordering.

72C / 144C HYBRID CLOSURE

ZY-GPJ09-5601 · 144 F · IP68