

HARDENED CONCAT

Pre-Term or Spliced Solution



**Image shown of spliced solution*

CONCAT is a modular access-layer closure system designed to simplify and scale FTTx PON distributed split deployments. Built to support both hardened and standard drop connectivity, CONCAT gives network operators the flexibility to deploy in a wide range of outside-plant environments while maintaining reliable subscriber connections.

Its hardened configuration supports fast, sealed drop connectivity for demanding field conditions, while the standard closure option enables organized internal drop management for above-grade installations. With support for both plug-and-play and spliced daisy-chain architectures, CONCAT helps reduce deployment complexity, improve installation efficiency, and expand network reach across multiple closures from a single distribution path.

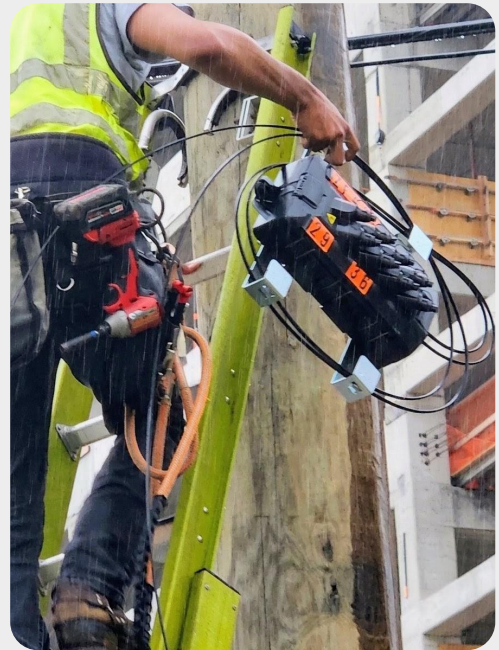
This makes it a practical solution for operators looking to accelerate FTTH rollouts, optimize access network design, and support future subscriber growth

Splitter Configuration

Parameter	Unit	1x4	1x8
Wavelength Band	nm	1260 - 1650nm	
Insertion Loss (on the entire wavelength band)	dB[max]	7.8	10.9
Loss Uniformity (on the entire wavelength band)	dB[max]	0.7	1.0
PDL - Polarization Dependent Loss @1310 nm, 1550 nm and 1625 nm	dB[max]	0.2	0.3
Return Loss	dB[max]	>55	>55
Directivity	dB[max]	>55	>55
Storage/Operating Temperature		-40 to +85C	-40 to +85C



Parameter	Hardened Drop Connectivity
Environmental protection	IP68
Drop / connector interface	Hardened OptoBolt-compatible connectors
Port / drop capacity	4 and 8-port closure options
Deployment	Sealed outside-plant drop connectivity
Internal separation	Field swappable lid from 4 or 8 ports.



Concat Connectivity

Parameter	Spliceless Plug-and-Play	Spliced
Max closures per distribution leg	Up to 16 closures.	Up to 48 closures.
Connection components	16-fiber MPO-to-LC internal cassette and 16-fiber MPO-to-LC factory-terminated cable assembly	STL Cable options : Flat : 12F, 24F, 48F Loose buffer tube Armored/Dielectric : 48F 12.5 mm Max OD Micro Cable: 5.7mm max DIA
Splitter / drop options	1x4 or 1x8 Drop Cable Splitters compatible with Optobolt hardened connectors.	1x4 or 1x8 PLC splitter is contained in closure lid with splitter input fiber routed to splice tray.
Deployment model	Factory-terminated, plug-and-play daisy-chain architecture	Fusion-spliced daisy-chain/pass-through architecture

Packaging

(1 unit/box)

Testing Standards

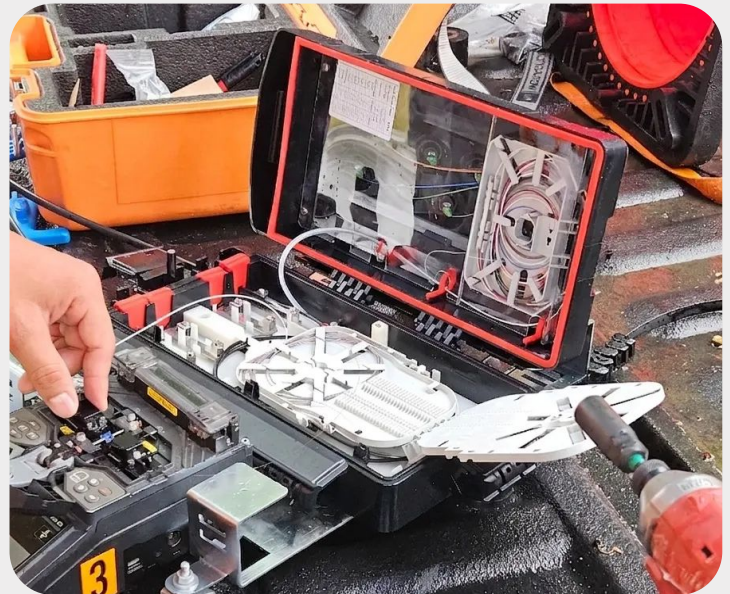
Tested to Telecordia GR-771 and IP-68

Dimensions

L x W x H mm (in) 400mm x 183mm x 140mm
(15.7" x 7.2" x 5.5")

Weight

3.75 pounds approx.



Feeder/Branch ports:

Left to right Port 1: Feeder, Ports 2 & 3: Branch, Port 4: Distribution

Product Code /Part No:

Part No	Product Name
ODPL09ST03	Hardened 8 Port CONCAT
ODPL09HB03	Hardened 8 Port CONCAT with Hanging Bracket
ODPL26HB03	Hardened 4 Port CONCAT with Hanging Bracket
ODPL26ST03	Hardened 4 Port CONCAT