

MINI-G TERMINAL ENCLOSURE



The **Mini-G** is the latest evolution of Channell's hardened FTTx solutions portfolio. The completely sealed, waterproof terminal is the smallest footprint (6" x 2.75" x 2.25") in the industry today which enables deploying and upgrading new and existing networks much easier and quicker.

The terminal is small enough to be placed in existing handholes, pedestals, building facades, and aerial networks for maximum flexibility in any FTTx application. The integrated, hardened connectors provide quick connections to feed and drop cables and come with robust, flexible round cable to accommodate space constrained environments.

FEATURES

- Smallest footprint in the industry today
- Supports various architecture types (centralized, distributed, tap) for any FTTx deployment.
- Designed for upgrading new and existing networks
- Small enough to be placed in existing handholes, pedestals, building facades and aerial networks
- Integrated hardened connectors
- Dimensions: 6" x 2.75" x 2.25"

TESTING SPECIFICATIONS

- Meets Telcordia GR-771-CORE, GR-3120 and IP68

PRODUCT DETAILS

Applications: underground/vault, pedestal, aerial

Environmentally sealed splice closure designed to meet GR771, IP68, and IEC 61300

Environmentally sealed: air + water tight mini-enclosure

2-sided inner tray mounts various tap coupler and splitter combinations

Bend-insensitive fiber ensures no issues with attenuation

1x2, 1x4, 1x8 pre connectorized, hardened splitter configurations available

Standard PLC splitter housing size with field-proven reliability and performance

Unique oval design provides robust crush resistance

Robust ABS material withstands the harshest environments

Pre-connectorized hardened connector tethers for quick drop cable connections

FEATURES AND BENEFITS

Completely sealed, air and water tight design provides complete environmental protection in any application

Miniature size can fit in existing handholes where space is limited (11"x11" Grade-Level Box shown)

Features	Benefits
Small form factor	Optimizes space in handholes and pedestals and significantly reduces new infrastructure pathway costs. Enables reuse of existing infrastructure assets to maximize initial investment.
Standard and integrated splitter terminal options	Supports various architecture types (centralized, distributed, tap) for any FTTx deployment.
Pre-connectorized hardened connectors	Craft-friendly, hardened connectors provide quick, easy connection to feed and drop cable assemblies to minimize labor while assuring robust, sealed connectivity in the harshest environments.
Available tap terminal configuration	Combined housing with both unequal/equal splitters reduce space requirements for quick, rural broadband deployments
Environmental Performance	Meets Telcordia GR-771- CORE, GR-3120 and IP68

EXTERIOR DIMENSIONS



PACKAGING INFORMATION

Packaging Type	Carton Dimensions	Pallet Dimensions	Pallet QTY	Truckload QTY
Single Pack	12" x 8" x 2.75"	42" x 42"	315	9,450

SPECIFICATIONS

Parameter	MGS02NN1S	MGS04NN1S	MGS08NN1S
Split Ratio	1x2	1x4	1x8
Operating Wavelength (nm)	1260-1650	1260-1650	1260-1650
Insertion Loss (dB), Max	4.0	7.2	10.5
Uniformity (dB), Max	0.6	0.6	0.8
PDL (dB), Max	0.2	0.2	0.3
Return Loss (dB), Min	APC 55	APC 55	APC 55
Directivity (dB), Min	55	55	55
Operating Temperature (°C)	-40 to +85C	-40 to +85C	-40 to +85C
Storage Temperature (°C)	-40 to +85C	-40 to +85C	-40 to +85C

RECOMMENDED CONFIGURATIONS

Part Number	Description
MGS02NN1S	Mini-G Splitter Terminal, 1X2 Splitter, Hardened Connector Input (Receptacle) and Outputs (Receptacle)
MGS04NN1S	Mini-G Splitter Terminal, 1X4 Splitter, Hardened Connector Input (Receptacle) and Outputs (Receptacle)
MGS08NN1S	Mini-G Splitter Terminal, 1X8 Splitter, Hardened Connector Input (Receptacle) and Outputs (Receptacle)
MGS02NN1A	Mini-G Splitter Terminal, 1X2 Splitter, Hardened Connector Input (Plug) and Outputs (Receptacle)
MGS04NN1A	Mini-G Splitter Terminal, 1X4 Splitter, Hardened Connector Input (Plug) and Outputs (Receptacle)
MGS08NN1A	Mini-G Splitter Terminal, 1X8 Splitter, Hardened Connector Input (Plug) and Outputs (Receptacle)



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