

OPTO-BLAZE and OPTO-BOLT

Pre-connectorized Plug and Play Solution



Opto-Bolt and Blaze is an end to end Opticonn Solution for plug and play FTTH connectivity. The solution consists of the Opto-Blaze Terminal and the Opto-Bolt drop cable solution.

The OPTO-BLAZE Terminal system is a device needed in the access network to quickly connect the Fiber Distribution Hub with subscribers.

The Opto-Blaze terminal is the final access point in the homes passed network to which customers are connected when they take the FTTH service and the drop cable to the residence is build.

This IP68 ruggedized pre-terminated solution provides fast, safe, easy end-user connections in an ergonomic low-profile housing. It is designed for OSP applications and can be installed in a hand-hole, into a pedestal, on an utility pole or over-head cable and secured to any flat surface.

An universal mounting bracket with an hang-and-lock mechanism to allow one-handed mount/dismount is available for OPTO-BLAZE. The terminal is delivered pre-stubbed and it is the ideal choice for a reliable deployment for the access network.

It is perfect both for the PtP network and can be also used as a GPON distributor within preassembled PLC splitters. The OPTO-BLAZE Terminal is available in a 4-port, 8-port or 12-port configuration with or without pre-loaded splitters.

OPTO-BOLT are pre-connectorized drop cables (one fibre) needed to connect the Terminal with the subscriber residence.

It meets the environmental criteria required in the referenced specifications and can withstand direct exposure to extreme temperatures and humidity.

STL Terminal and Plugs are compatible with similar products used on the market. They are the perfect solution to enlarge and improve the FTTH network.

APPLICATIONS

- Outdoor applications
- Hand-hole or pedestal
- On a pole or over-head cable

TECHNICAL FEATURES

- ZigZag port positioning allows to create more spacing between the ports without increasing the terminal size, easy to handle even wearing gloves.
- Port numbering is more natural decreasing the risk to connect the wrong port.
- Increased spacing improves the drop connection installation to happen faster and toolless.
- Further reduces the skill and training requirements.
- STL terminals fit on the existing and legacy mounting brackets in the field for both poles and manholes.
- Boltless mounting/dismounting option available.
- More natural connected drop cable waterfall to decrease overall installed space and volume to improve aesthetics.

OPTO-BOLT Drop Cable

- Plug and play hardened LOW LOSS connectorization.
- Round self rodding drop cable for underground and aerial application.
- Uses craft friendly helical cable clamps that decrease installation time.
- Zero preferential bending of the cable enables rapid coiling and easy mounting on installation brackets.
- Combined install time saving of on average 5 mins per aerial drop = £1.6M/MHP = 0.5% reduction in home pass cost.
- Cable design complies work safe breaking strength <2000N without complicated fuse cable clamps.



STL OPTO-BLAZE - DIMENSIONS

*The dimensions do not include the adapter caps

4 PORT DESIGN

- 336mm x 88,6mm x 121,3mm

8 PORT DESIGN

- 431mm x 88,6mm x 121,3mm

12 PORT DESIGN

- 431mm x 88,6mm x 158,3mm



TECHNICAL DATA OF THE PRODUCTS

Insertion loss (random mated @ 1310 and 1550nm)	ILavg <0,3dB ILmax <0,5dB in 97% of cases ILmax <1dB in 100% of cases
Return loss	RL >55dB in 100% of the cases
Cable retention connector	300N Δ IL <0,3dB (@1550 nm)
Water tightness IP68	2m waterhead (20KPa)
Temperature cycling	20 cycles from -25 to +60°C Δ IL <0,2dB (@ 1310, 1550 and 1625nm)
Intermateability with installed base	Proven to the above criteria

STL OPTO-BLAZE - ORDERING INFORMATION

SERIE NAME	TERMINAL PORT SIZE	STANDARD HARDENED CONNECTOR (OPTITAP)	FLAT TAIL CABLE	CABLE LENGTH IN METERS (MIN 010M AND MAX 350M)	NO CONNECTOR ON OTHER SIDE	STANDARD PACKGING	STL CABLE PRINTING
OPTO-BLAZE	4	S	FT	XXX M	N	1	STL
	8						
	12						

* our standard lengths are:
50-100-150-200-250-300-350m.
Other lengths on request.

STL OPTO-BOLT - ORDERING INFORMATION

SERIE NAME	STANDARD HARDENED CONNECTOR (OPTITAP)	ROUND DROP CABLE WITH NO PREFERENTIAL BENDING	CABLE LENGTH IN METERS (MIN 010M AND MAX 350M)	NO CONNECTOR ON OTHER SIDE	STANDARD PACKGING	STL CABLE PRINTING
OPTO-BOLT	S	RD	XXX M	N	1	STL

* our standard lengths are:
50-100-150-200-250-300-350m.
Other lengths on request.

*is cardboard coil in flat box when cable length <350m and a wooden drum for the length of 350m

The information given herein, including drawings, illustrations and schematics are intended for illustration purposes only and is believed to be reliable. However, STL makes no warranties to its accuracy or completeness and disclaims any liability in connection with its use. STL obligations shall be only set forth in STL standard terms and conditions of the sale and in no case, STL be liable for any incidental, indirect or consequential damages arising out of sale, resale, use or misuse of the product.

Users of STL products should make their own evaluation to determine the suitability of such each product for the specific application.