

# 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.
- Self rodding drop cable for underground and aerial application.
- Uses craft friendly helical cable clamps that decrease installation time.
- For round drop, 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.
- 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

Cable retention connector	300N $\Delta IL < 0,3dB$ (@1550 nm)
Water tightness IP68	2m waterhead (20KPa)
Temperature cycling	20 cycles from -25 to +60°C $\Delta IL < 0,2dB$ (@ 1310, 1550 and 1625nm)
Intermateability with installed base	Proven to the above criteria

## STL OPTO BLAZE - ORDERING INFORMATION

SERIES NAME	TERMINAL PORT SIZE	STANDARD HARDENED CONNECTOR	FLAT TAIL CABLE	CABLE LENGTH	NO CONNECTOR ON OTHER SIDE	STANDARD PACKING	STL CABLE PRINTING
OPTO BLAZE	4	S - HFOC/APC	FT - All Dielectric flat drop	XXXM (Meters)	N	1	STL
	6	U - HFOC/UPC	TN - Toneable flat drop	XXXF (Feet)			
	8						
	12						

## STL OPTO-BOLT - ORDERING INFORMATION

SERIES NAME	CONNECTOR AT END1 (INNER SIDE)	TYPE OF CABLE	CABLE LENGTH	CONNECTOR AT END2 (OUTER SIDE)	STANDARD PACKING	CABLE PRINTING
OPTO-BOLT	N- No conn	RD - Round	XXXX M	N- No conn S- Opto-Bolt SCA 1-Standard SCA	1	STL
	S- Opto-Bolt SCA	F - Flat	XXXX F			
	1-Standard SCA					

\*is a cardboard coil and multiple coils are packed in a box with a cable length of <350m and a drum for a length more than 350m.

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