



EUROSATCOM
VSATECH ASSOCIÉ

RF Over Fiber Systems Optical Delay Line

19" Rack Optical Delay Line

- User-defined lengths
- Reliable passive device
- Up to 100 km
- Standard 5-year warranty
- 6U, 4U & 2U 19" rack package



The ViaLiteHD Optical Delay Line is offered as part of a DWDM L-Band diversity antenna system and is utilized when time-balancing between sites is required.

Full system, time-balancing calculations are offered by ViaLite to ensure that when a system is installed all switch overs between diverse sites are seamless to the user.

Standard lengths, as well as bespoke custom-length delay compensation units, are available.

APPLICATIONS

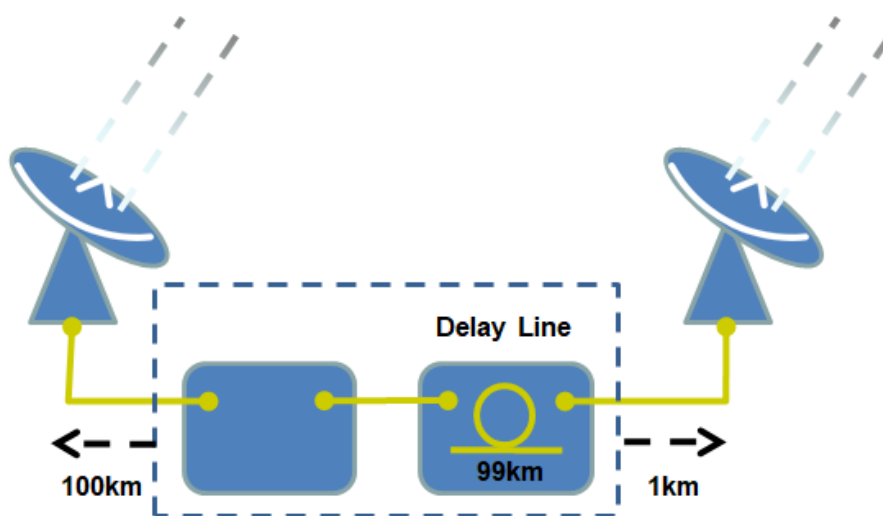
- L-Band diversity rain fade application
- Fixed satcom earth stations and teleports
- Gateway reduction within a satellite footprint
- Government installations
- Remote monitoring stations
- Leased fiber reduction
- Disaster recovery operations

FORMATS

- 6U, 4U, 2U Chassis (length dependant)

RELATED PRODUCTS

- DCMs
- Optical EDFAs



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3 avenue du Canada, bât. Zeta, 91940 Les Ulis, France

+33 1 69 18 19 30

www.eurosatcom.eu

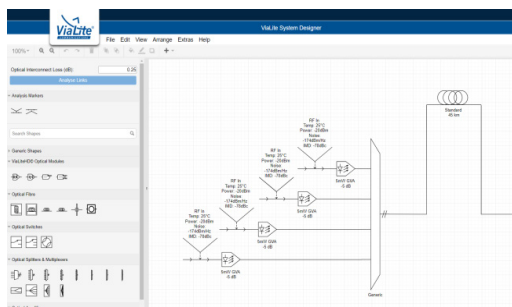
sales@eurosatcom.eu





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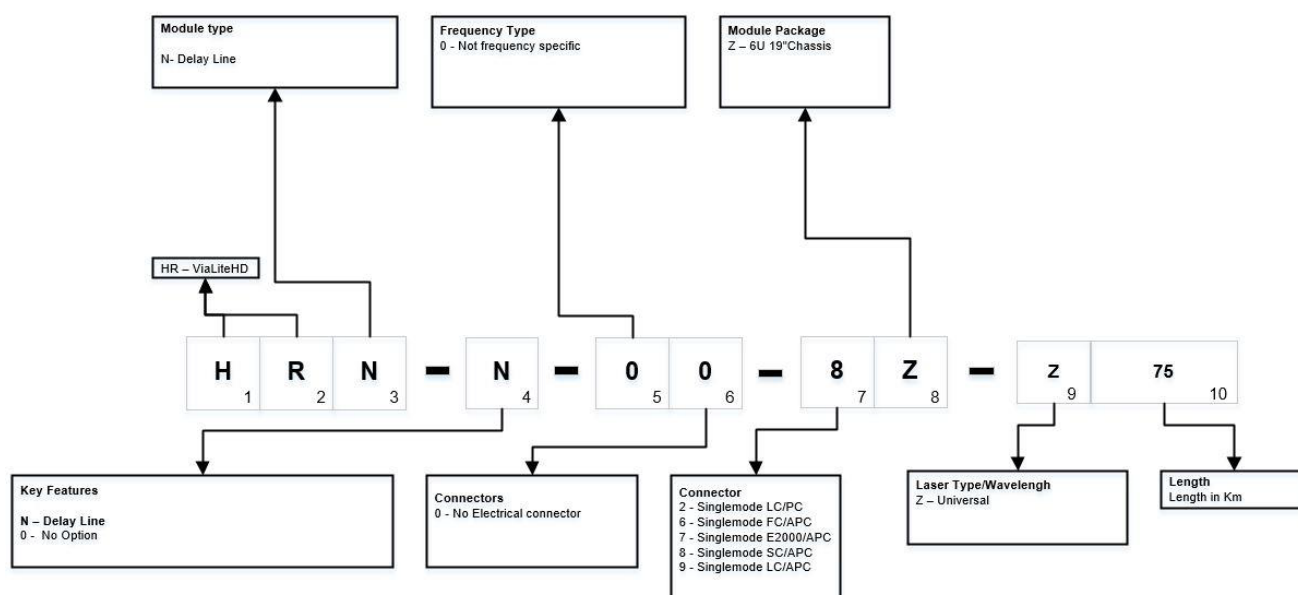
ViaLite System Designer

For complex designs where multiple DWDM products are required the System Designer tool is essential for predicting and validating performance results.

The software uses a drag and drop approach from a pallet of products. Once designed, the analyzer can be run to give end-to-end system results and these can then be saved as a detailed PDF.

Please ask our sales team for more information.

PRODUCT CONFIGURATOR



POPULAR PRODUCTS

HRN-0-00-8Z-Z50 - ViaLiteHD Delay Line Short length - 50 km
 HRN-0-00-8Z-Z75 - ViaLiteHD Delay Line Medium length - 75 km
 HRN-0-00-8Z-Z100 - ViaLiteHD Delay Line Long length - 100 km

TECHNICAL SPECIFICATION

Part Number	HRN-0-00-8Z-75
Length	75 km (Length Specified by per application)
Optical Loss @ 1550 nm	15 dB (typ)
Interface	SC/APC
SBS Threshold	+6 dBm
Operating temperature range	-20 °C to +65 °C
Storage temperature range	-40 °C to +80 °C



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ACCESSORIES

RF over Fiber L-Band HTS DWDM Links



- L-Band HTS (700-2450 MHz)
- Up to 500 km systems available
- 1 to 96 channels per fiber
- Ideal for Ka-Band rain fade diversity
- 5 mW Laser

RF over Fiber Timing modules



- Radio timing signals:
DCF, MSF signals
JJY, BPC, HBG, TDF, WWVB, WWV, CHU, RJH, RWM,
- IRIG-B
- Loran-C & eLoran
- 10kHz – 50 MHz signals
- GPS (via GPS Link)
- MiFID II standard

Rack Chassis



- 3U accepts up to 13 RF or Support cards, plus an SNMP card and dual power supplies
- A 1U chassis accepts up to 3 RF or Support cards or 2 cards and an SNMP card (with dual power supplies)
- Up to 26 channels per 3U chassis (using dual RF cards) – reducing the amount of rack space required
- Blind mate option
- All modules hot-swappable and auto-reconfigure with SNMP option
- On-card LNB and BUC power options
- Power fed through rear chassis connector to card Bias Tees
- System can be monitored and controlled remotely via SNMP using a web browser

Outdoor Enclosures



- CE approved and EMC compatible
- IP rated and NEMA approved
- Plug and play format
- Suitable for harsh environments
- All modules hot swappable
- Dual redundant power options
- Interface for monitor and control (M&C) systems



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