

Precautions

Electrical Safety



ViaLite Power Supply Units are Safety Class 1 products (having metal case directly connected to earth via the power supply cable). The unit is also fitted with an earthing/grounding stud connected to the power supply earth. When operating the equipment note the following precautions:

- Hazardous voltages exist within the equipment. Modules have no user serviceable parts, do not remove covers.
- The equipment does not have an external mains isolating switch. Equipment must be installed within easy reach of a dual pole mains isolation switch.
- User replaceable fuses and module replacement should only be carried out by a qualified technician.

ESD Precautions



Precautions for handling electro-static sensitive devices should be observed when handling all **ViaLite** modules. Technicians should ensure that they use effective personal grounding (i.e. ESD wrist strap etc.) when servicing the equipment. Any equipment or tools used should be grounded to prevent static charge buildup. Good practice should be observed at all times for reference see relevant standards.

EN 61340-5-1, "Protection of Electronic Devices from Electrostatic Phenomena – General Requirements"

Optical Safety



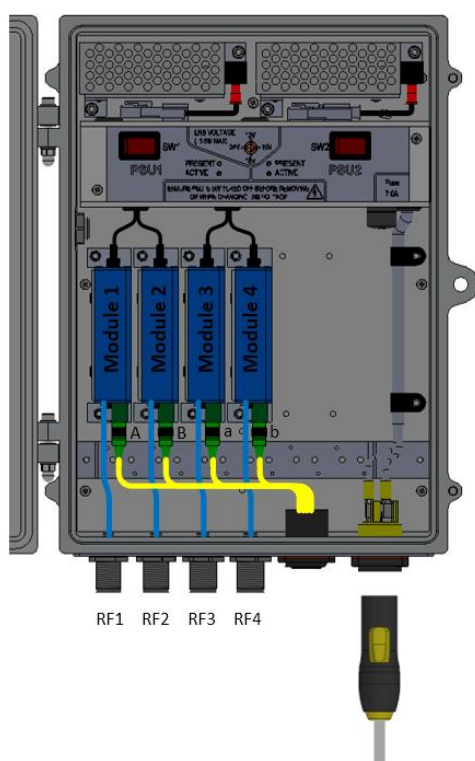
The **ViaLite** RF Transmitter modules contain laser diode sources operating at nominal wavelengths of 1270nm to 1610nm. These devices are rated as EN60825-1 CLASS 1 radiation emitting devices. A class 1 laser is safe under all conditions of normal use. When operating the equipment note the following precautions:

- Never look into the end of an optical fibre directly or by reflection either with the naked eye or through an optical instrument.
- Never leave equipment with radiating bare fibres – always cap the connectors.
- Do not remove equipment external covers when operating.

Modules fitted

Below is a list of module fitted in your ODE-A enclosure and their special configurations

- | | | |
|------------|--------------------|-------------------------------------------------------------------------------|
| • PSU – LH | LPS-A4 | ViaLiteHD Mains Power Supply for (ODE-A4) Outdoor Enclosure, 90-264VAC i/p |
| • PSU – RH | LPS-A4 | ViaLiteHD Mains Power Supply for (ODE-A4) Outdoor Enclosure, 90-264VAC i/p |
| • Module 1 | HRT-G5-8M-10-S1310 | ViaLiteHD Transmitter, GPS & Galileo, 1.0-1.8GHz, 50Ω, MCX RF, SC/APC Optical |
| • Module 2 | HRT-L5-8M-33-S1310 | ViaLiteHD Transmitter, L Band, 700-2450MHz, 50Ω, MCX RF, SC/APC Optical |
| • Module 3 | HRT-L5-8M-33-S1310 | ViaLiteHD Transmitter, L Band, 700-2450MHz, 50Ω, MCX RF, SC/APC Optical |
| • Module 4 | Not fitted | |

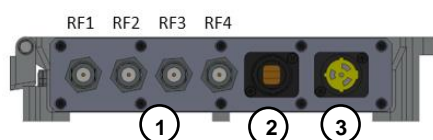


Note

Replaceable fuse, fitted to switch bar - Fuse, 2A, 250V, anti-surge, 20 x 5mm, PPM part number 57107

Internal fibre connections:

- Module 1 = A
- Module 2 = B
- Module 3 = a
- Module 4 = b



ODE-A4 Glandplate connector information

- 1 = 50 Ohm N-Type (RF1-4)
- 2 = Neutrik Quad Fibre connector
- 3 = Neutrik True 1 power input connector

PULSE POWER AND MEASUREMENT LTD., 65 SHRIVENHAM HUNDRED BUSINESS PARK, SWINDON, SN6 8TY, UK.

TEL: +44 1793 784389 FAX: +44 1793 784391

EMAIL: SALES@VIALITE.COM WEBSITE: WWW.VIALITE.COM

Connection to the external power supply

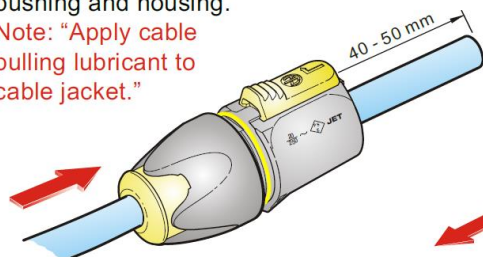
This equipment must be earthed in accordance with the local codes. Incomplete or incorrect earthing will cause a safety hazard.

The power connection is made by introducing the mains cable via the connector on the gland plate at the base of the unit. The mating connector half is supplied with the unit.

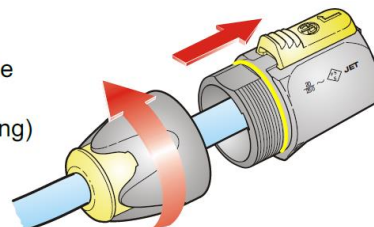
The incoming power cable must be of a diameter to match the power input connector.

Ensure that the power cable is isolated and no power is present during installation.
Follow the steps below to fit the power connector

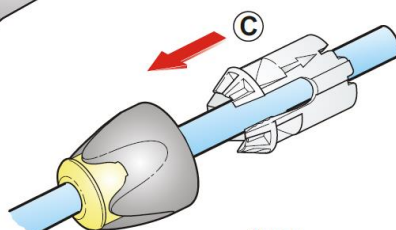
- A** Insert cable into the bushing and housing.
Note: "Apply cable pulling lubricant to cable jacket."



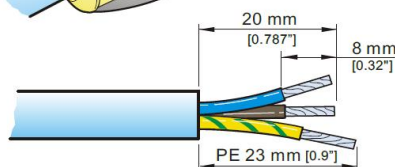
- B** Separate the housing from the bushing (cable remain in bushing)



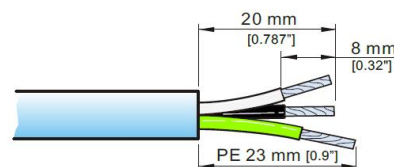
- C** Place chuck over the cable.



- D** Prepare cable as shown.

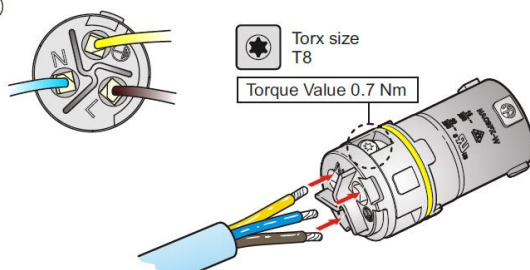


VDE (EN 60320-1/EN60320-2-2)



UL (UL 498 / CSA C22.2 No. 182.3)

- E**

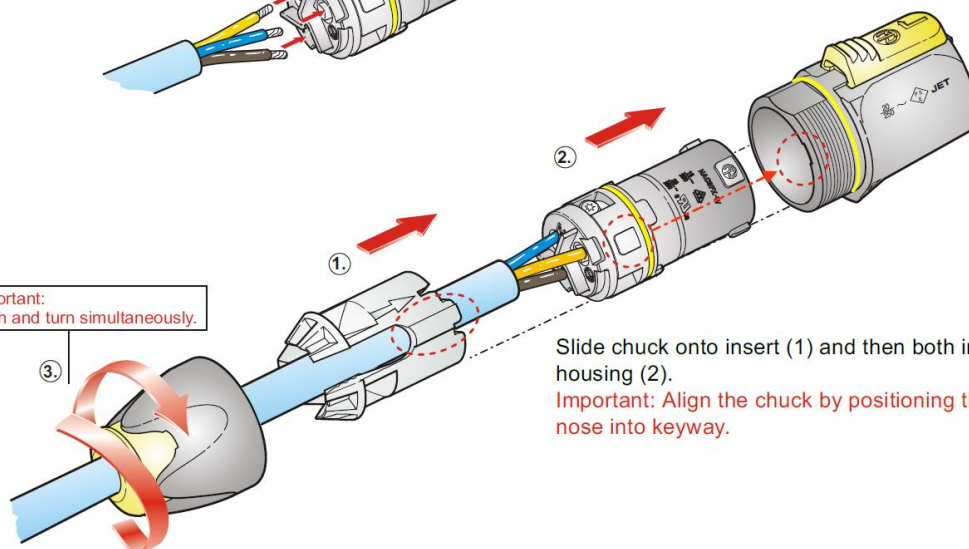


Slide the cable into the contacts and clamp with the screw with Torx size T8.

Wiring	VDE	UL
L →	brown	black
N →	blue	white
⏏ →	green/yellow	green

- F**

Important:
Push and turn simultaneously.



Slide chuck onto insert (1) and then both into housing (2).

Important: Align the chuck by positioning the nose into keyway.

- G**

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