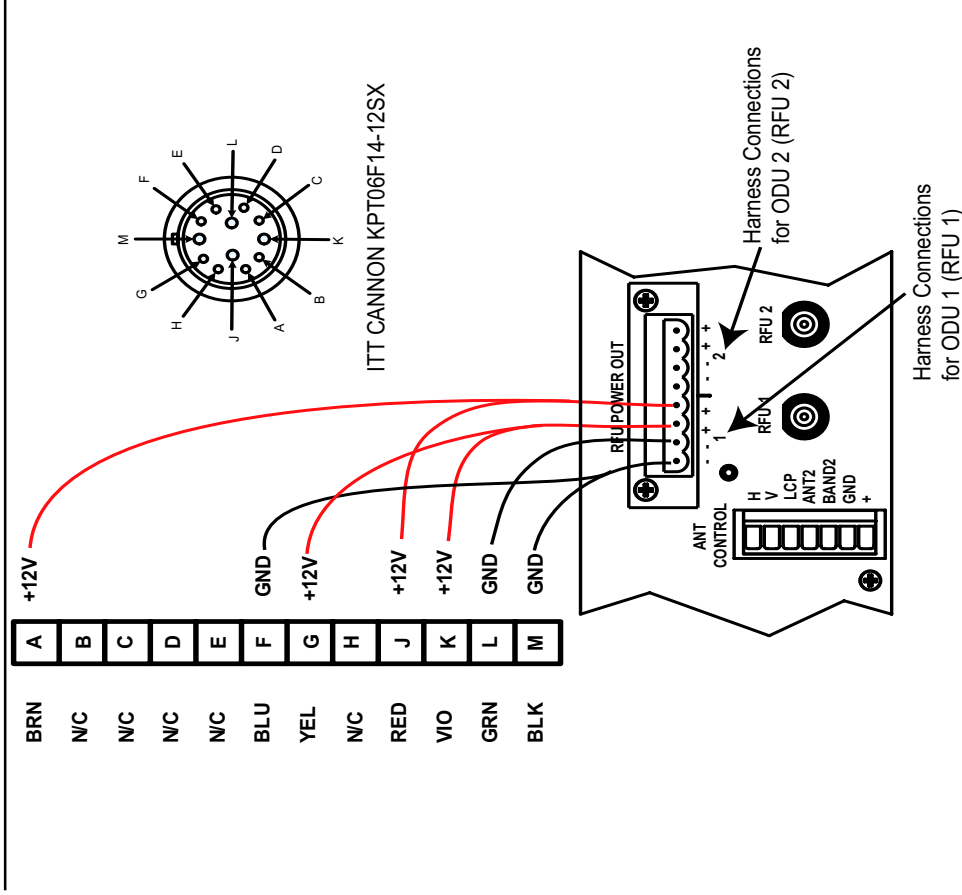


Figure 6-6: ODU Wiring

Note If only two conductors each for power and return are used, contacts **J**, **K**, **L**, and **M** must be used. Contacts **J**, **K**, **L**, and **M** will accommodate up to 16 AWG single conductor wiring; all other contacts will accommodate 20 AWG single conductor wiring.



6.9.2 MTX5000 System TNC Connector Interface

CAUTION

To avoid potential problems, existing wiring harnesses must be carefully examined for evidence of damage, corrosion, or broken wire strands.

Any damage detected must be repaired before a new MTX5000 system is placed into service.

If your MTX5000 IDU and ODU contain the TNC **RFU 1** and **RFU 2** connectors, the IDU and ODU can be connected using an existing harness,

ODU End The existing power connector at the ODU end will plug in directly to your ODU.

IDU End At the IDU end, the harness connector will not plug directly into your IDU. You must cut off the terminal block at the IDU end and must connect the wiring harness to the Weidmuller connector supplied with the IDU. Verify the new connections are as shown in [Figure 6-7 on page 6-13](#). Connections for ODU 2 (RFU 2) are identical to ODU 1 (RFU 1).

The actual number of wires in your harness, and their gauges, may differ from the standard harness. To provide enough current to the RFU, MRC recommends the minimum power and ground connections specified in [“Cabling Requirements” on page 6-9](#)