



DESCRIPTION

The Total Access 1248 SFP Expansion Cable (P/N 1179680G1, SFP Expansion Cable) is a 1-meter long, RoHS Compliant, shielded cable with integrated SFPs on both ends.

APPLICATIONS

The SFP Expansion Cable provides a connection solution between the Total Access 1248A/V Host DSLAM and Total Access 1248A/V Client DSLAM.

The following application illustrations are available on page 2 of this document:

- ♦ [Total Access 1248A Host and Client Expansion](#)
- ♦ [Total Access 1248V Host and Client Expansion](#)

INSTALLATION

Prior to installation, inspect the SFP Expansion Cable. If damage has occurred during shipping, file a claim with the carrier, and then contact ADTRAN Customer Support. For more information, refer to “Warranty”.

To install the SFP Expansion Cable, perform the following steps:

1. Route the SFP Expansion Cable from the Total Access 1248A/V Host DSLAM to the Total Access 1248A/V Client DSLAM.
2. Support the SFP Expansion Cable per local instructions.
3. Install the integrated SFP connector into the appropriate expansion SFP cage (**EXP 1-3**) of the Host DSLAM by following the applicable Host DSLAM job aid.
4. Install the integrated SFP connector into the network SFP cage (**NTWK 1 or Network**) of the Client DSLAM by following the applicable Client DSLAM job aid.

NOTE

The latch on the SFP Expansion Cable is for removal only. When removing the SFP Expansion Cable, grasp the release tab and pull away from the SFP cage or squeeze the latch and pull the SFP Expansion Cable (depending on the specific latch), the SFP Expansion Cable should slide easily out of the cage. If the SFP Expansion Cable does not slide easily out of the cage, push the cable into the cage slightly while pulling or squeezing the release tab, then pull the cable out of the SFP cage.

MAINTENANCE

The SFP Expansion Cable does not require routine hardware maintenance for normal operation. ADTRAN does not recommend that repairs be attempted in the field. Repair services may be obtained by returning the defective unit to ADTRAN. Refer to the warranty for further information.

COMPLIANCE

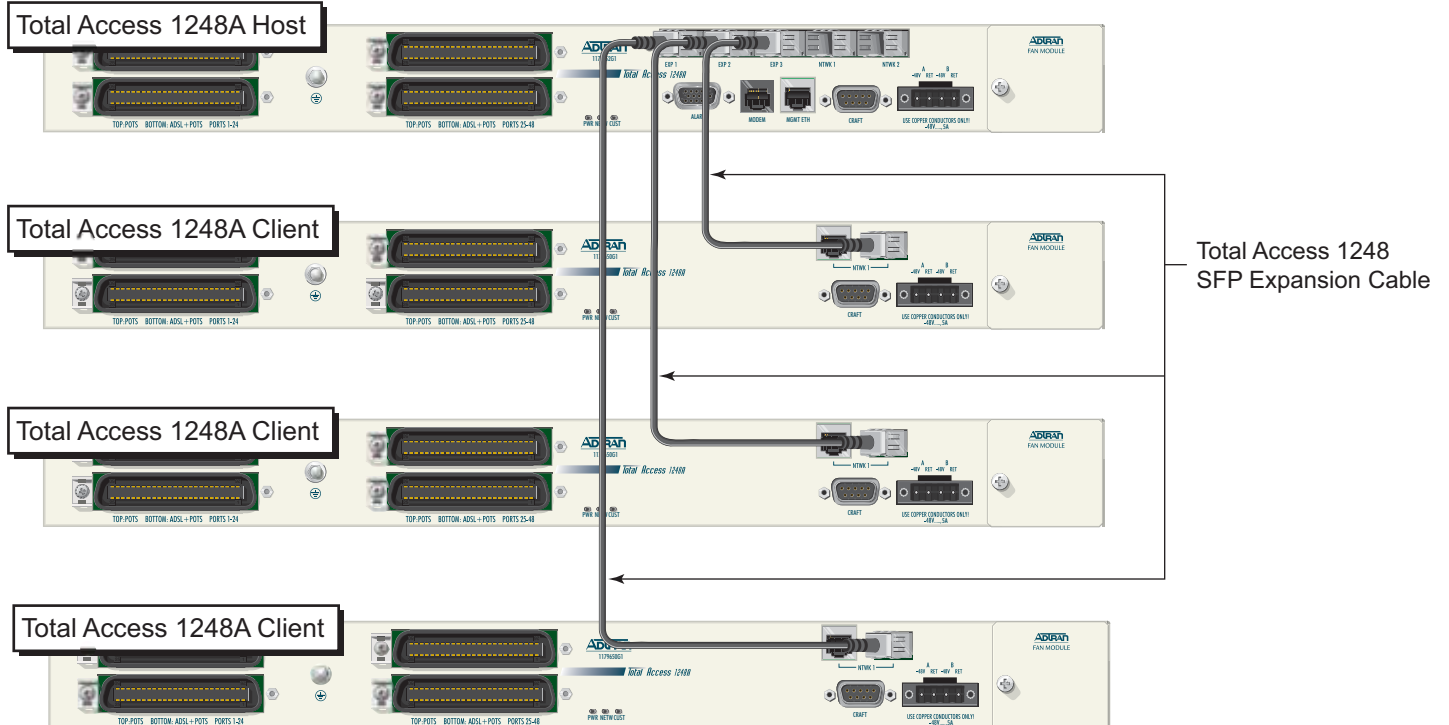
⚠ CAUTION

- ♦ Electrostatic Discharge (ESD) can damage electronic modules. When handling modules, wear an antistatic discharge wrist strap to prevent damage to electronic components. Place modules in antistatic packing material when transporting or storing. When working on modules, always place them on an approved antistatic mat that is electrically grounded.
- ♦ The SFP Expansion Cable meets or exceeds all the applicable requirements of NEBS, Telcordia GR-63-CORE, and GR-1089-CORE. The SFP Expansion Cable is intended for deployment in Central Office type facilities, EEEs, EECs, and locations where the NEC applies (for example, Customer Premises). The SFP Expansion Cable is to be installed in ADTRAN products in Restricted Access Locations only, and installed by trained service personnel.
- ♦ Per GR-1089-CORE, the ADTRAN system in which the SFP is being deployed is designed and intended for installation as part of a Common Bonding Network (CBN). The ADTRAN system in which the SFP Expansion Cable is being deployed is not designed nor intended for installation as part of an Isolated Bonding Network (IBN).
- ♦ Per GR-1089-CORE Section 9, the SFP Expansion Cable does not have an internal DC connection between battery return and frame ground. The SFP Expansion Cable can be installed in a DC-I (isolated) or DC-C (common) installation. For installations where other cards or the host system have internal connections between battery return and frame ground, the system would be intended for deployment only in a DC-C installation.
- ♦ The ADTRAN system chassis frame ground terminal must be connected to a reliable earth ground to ensure that the metal enclosure of the SFP Expansion Cable is properly grounded via the backplane connector.
- ♦ The SFP Expansion Cable is designed to interface with Type 2 or 4 ports on a Total Access 1248. Type 2 or Type 4 ports are described in GR-1089-CORE Issue 4.

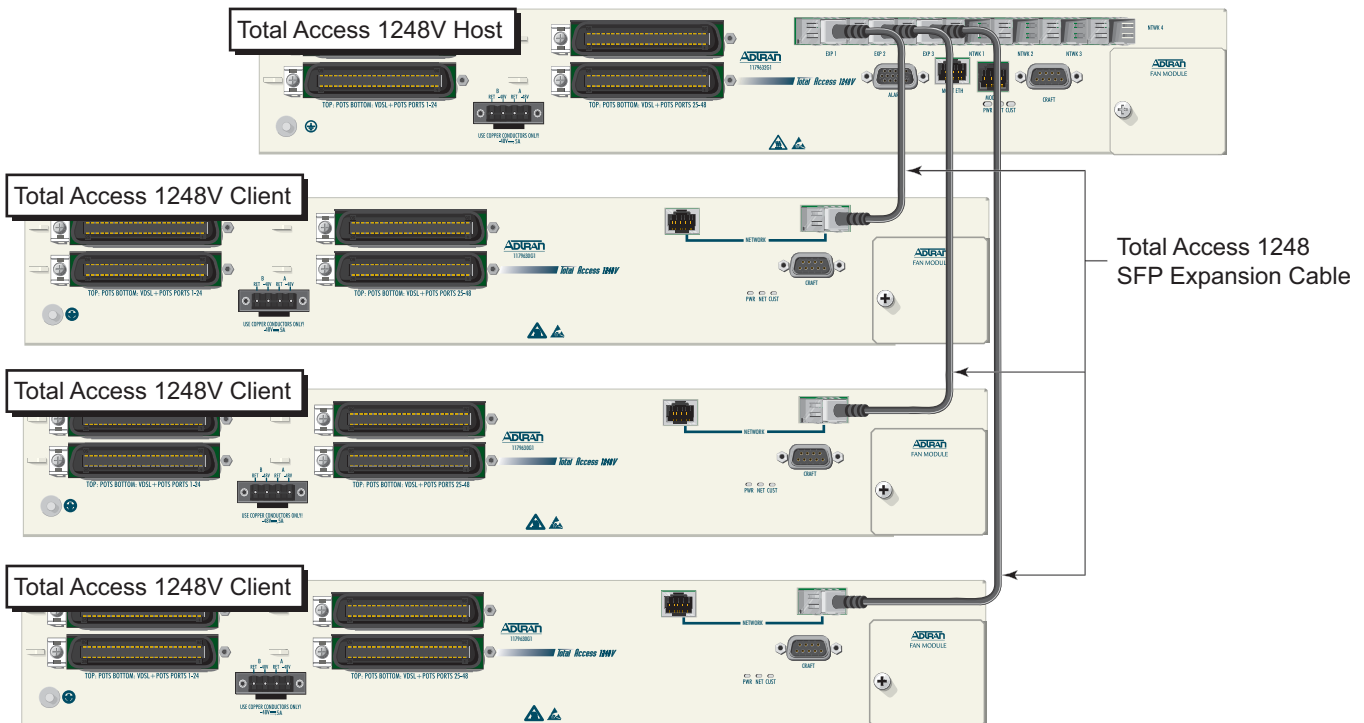
The SFP Expansion Cable is designed to meet the following environmental classes:

- ♦ ETSI EN 300 019-1-1 “Classification of environmental conditions; Storage,” Class 1.2
- ♦ ETSI EN 300 019-1-2 “Classification of environmental conditions, Transportation,” Class 2.3
- ♦ ETSI EN 300 019-1-3 “Classification of environmental conditions, Stationary use at weather-protected locations,” Class 3.3
- ♦ The equipment is designed to function without degradation during exposure to all test severities per Class 3.3.

TOTAL ACCESS 1248A HOST AND CLIENT EXPANSION



TOTAL ACCESS 1248V HOST AND CLIENT EXPANSION



Warranty: ADTRAN will replace or repair this product within the warranty period if it does not meet its published specifications or fails while in service. Warranty information can be found online at www.adtran.com/warranty.

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