FTB-3930

MULTITEST MODULE



Please note that this model has been discontinued. For more information, visit EXFO.com

Provides fully automated bidirectional loss test results in 10 seconds for up to three wavelengths, as well as automatic ORL and fiber-length measurement.

KEY FEATURES

FasTesT[™]: three-wavelength measurement of optical loss, ORL and fiber length in 10 seconds

All-in-one portable test solution: up to eight instruments combined in a single module

FTTx ready: allows for the testing of passive optical networks (PONs) at 1310 nm, 1490 nm and 1550 nm, the three wavelengths recommended by the ITU-T (G.983.3) for PONs Cost of ownership: lowest in the industry, thanks to three-year warranty and recommended calibration interval, error-free testing and minimized training time

EXFO Connect-compatible: automated asset management; data goes through the cloud and into a dynamic database

PLATFORM COMPATIBILITY



FTB-2 /FTB-2 Pro

Platform



Platform FTB-200



Platform FTB-500



EXFO'S NEXT-GENERATION MULTITEST MODULE: MORE FEATURES, BETTER PERFORMANCE

The new FTB-3930 MultiTest Module is designed to help network service providers address CAPEX and OPEX issues, enable installers to easily adapt to all network types, and provide CATV operators with a single-module solution to their backreflection, fiber-length, high-power and bidirectional loss measurement needs. Combined with a video fiber inspection probe and an OTDR, this solution lets you easily detect dirty or damaged connectors, providing a clear view of connectors and fiber ends and enabling complete link characterization.

All-in-one unit: combines up to eight instruments

- Loss meter
- , Power meter
- , Optical return loss (ORL) meter
- · Visual fault locator
- Multimode and singlemode light sources
- · Digital talk set
- Fiber-length meter

FasTesT function*: one-touch, automated measurements in 10 seconds

- Bidirectional loss and ORL testing at up to three singlemode wavelengths
- > Bidirectional loss testing at two multimode wavelengths
- Fiber-length measurement

Flexible solution: five-wavelength multimode and singlemode configurations meeting the requirements of installers/ contractors for all test situations

- › Up to three singlemode wavelengths-1310 nm, 1550 nm and a choice between 1490 nm and 1625 nm-on one port
- Two multimode wavelengths-850 nm and 1300 nm-on a second port

Future-proof: next-generation features meeting the latest industry requirements

- User-configurable pass/fail thresholds that can be adjusted to different industry standards
- FTTx ready, allowing for the testing of passive optical networks (PONs) at 1310 nm, 1490 nm and 1550 nm, the three wavelengths recommended by the ITU-T (G.983.3) for PONs

Cost of ownership: lowest on the market

- > Three-year warranty and recommended calibration interval
- Error-free testing achieved through visual loss and ORL pass/fail analysis
- Minimized training time, thanks to a single user interface for the eight instruments included in this all-in-one unit



FTB-2-FTB-2 Pro Platform

FTB-200 Compact Platform

FTB-500 Platform

With countless configurations and combinations available, the FTB-3930 is ideal for today's network service providers, fiber-optic network installers/contractors and CATV operators.

*Protected by US patent 5,305,078.



FTTx-READY: OPTIMIZED FOR TESTING PASSIVE OPTICAL NETWORKS

FTTx-Mode Operation

This mode lets you configure your FTB-3930 module to suit your FTTx wavelengths and test-unit locations, as well as choose your preferred data presentation options for on-screen display or report generation. Key benefits include:

- Display of test data according to FTTx terminology
- Similar test-data presentation, regardless of the location of master and remote units

| 2 | Loss CO ->Premise | Loss Premise->CO | Loss Average | ORL CO .>Premise | ORL Premise ->CO |
|-------------------------|----------------------|---------------------|-----------------|---------------------|---------------------|
| (nm) | (dB) | (dB) | (dB) | (dB) | (dB) |
| 1310 (Up stream) | 21.47 | 22.73 | 22.71 | 41.23 | 37.76 |
| 1490 (Down stream) | 21.04 | 21.47 | 21.25 | 32.51 | 41.23 |
| 1550 (Down stream) | 21.04 | 21.47 | 21.25 | 32.51 | 41.23 |

Integrated Data Storage Management

This feature enables the FasTesT initiator to save results on a remote unit-even when multiple remote units are used. Key benefits include:

- · The possibility to store test data in a single unit
- > Easier data post-processing and transfer from the FTB-3930 module (see figure below)
- Point-to-Multipoint Testing with Multiple Referencing

Implemented in the FTB-3930 MultiTest Module, multiple referencing lets you coordinate the FTB-3930 with up to 10 remote FOT-930 MaxTester units. Key benefits include:

> First-class efficiency, as several technicians can simultaneously install and test distribution fibers



The FTB-3930 allows for automated bidirectional loss and ORL testing of passive optical networks (PONs) at 1310 nm, 1490 nm and 1550 nm, the three wavelengths recommended by the ITU-T (G.983.3) for PONs.



A SINGLE TOOL FOR ALL BACKREFLECTION, FIBER-LENGTH AND LOSS MEASUREMENT NEEDS

Because learning how to operate only one instrument is easier and much faster, test specialists should choose an all-in-one tool that enables them to perform tasks such as installing long-haul high-speed networks, testing 1310/1490/1550 nm transmission in FTTH networks, performing multimode testing in enterprise networks, etc.-a do-it-all solution such as the FTB-3930 MultiTest Module.

Key Advantages for All Network Types

- Fast, three-wavelength loss and ORL testing
- User-configurable pass/fail thresholds for error-free testing
- > The only unit designed for testing both multimode and singlemode fiber
- Video fiber inspection probe, for easy viewing of connectors and fiber ends on the FOT-930's high-resolution display
- , GeX detector, for high-power measurement up to +26 dBm
- Complete report generation capabilities
- Talk set and VFL options
- > Ease of use, for faster testing, reduced training, minimum error potential, etc.

KEY FEATURES

Two FasTesT ports: a three-wavelength singlemode port, including either 1625 nm or 1490 nm, and a two-wavelength multimode port, for a total of up to five wavelengths

Automatic measurement of ORL and fiber length during FasTesT

Visual loss and ORL pass/fail analysis

Field-swappable rechargeable batteries

Easily accessible connectors

Options: high-power detector, talk set and visual fault locator (VFL)

No offset nulling required



In 10 seconds, the FTB-3930's FasTesT function provides insertion loss and ORL values for up to three wavelengthsincluding either 1490 nm or 1625 nm-on a single port (FTB-500 interface).

| Beneral FasTesT Power Meter | Threshold Preferences Results | | |
|-----------------------------|-------------------------------|---|--|
| FasTesT Port | | | |
| Singlemode | | | |
| C Multimode | | | |
| Singlemode | Multimode | | |
| Compatibility | Compatibility | | |
| ▼ FOT-930 ▲ | ▼ FOT-930 ▲ | | |
| Automatic Selection | Automatic Selection | | |
| F Enable All Wavelength | Enable All Wavelength | | |
| Source(s) used for loss | Source(s) used for loss | | |
| ₩ 1310 | 850 | | |
| F 1550 | 1300 | | |
| 1625 | Dut Type | | |
| Source(s) used for ORL | - 62 Kum | | |
| F 1310 | - indiceso | | |
| ₩ 1550 | Default Settings | | |
| ₩ 1625 | | 1 | |
| Dut Type | Revert to Factory Settings | | |
| 125/9 µm | | | |
| | | | |

While performing FasTesT measurements, the FTB-3930 can launch automated loss and ORL measurements on all three wavelengths and perform fiber-length measurements.



STANDARD DATA REPORTING FEATURES—FTB-3930 BUILT-IN APPLICATION

The FTB-3930's software atomatically sets up test data in easy-to-read, well-organized table. What's more, thousands of test results can be saved directly on the FTB Ecosystem platforms.

Testing is simplified thanks to the highly intuitive user interface and integrated test functions, taking software user-friendliness to the next level.

- Select predefined test parameters and pass/fail thresholds
- Customize user settings and cable identification parameters
- Add operator comments
- Generate reports for ORL, bidirectional loss (three wavelengths) and fiber-length measurement
- Interface available in English and Russian



Display comprehensive test results thanks to the FTB-3930's data management software.



Quickly and easily generate detailed reports.



Default Settings

Cancel

OK

FAST-TRACK DATA POST-PROCESSING WITH FASTREPORTER 2 SOFTWARE

FastReporter 2 includes a powerful tool that **automates repetitive operations on large numbers of test files**. You can process an unlimited number of files in a session, and combine single operations into multi-operation batch sessions. In a nutshell, FastReporter 2 optimizes your productivity.

Batch documentation

- Document an entire cable/project in a matter of seconds
- > Save time in the field by documenting your files at the office
- Manage different measurements simultaneously

· Get uniformity in your results

- Adjust cable and fiber parameters
- · Set detection thresholds for all measurements at once

Batch analysis

- , Adjust parameters for all cables at once
- Adjust detection thresholds
- Set pass/fail thresholds for OTDR, OLTS, CD and PMD testing and characterize your link. Make sure you meet the link's requirements.

| eral Pass/Fa | Thresholds Tolerances File | Matching | | |
|--|--|-------------|-------------|-------------|
| avelength — | Thresholds for 1550 nm - | | | |
| 0 ^ | Description | Apply | Fail | Warning |
| 10 | Splice loss | | 1.000 dB | 1.000 df |
| 10 | Connector loss | | 1.000 dB | 1.000 de |
| 90 | Reflectance | | -40.0 dB | -40.0 dt |
| 90 | Fiber section attenuation | | 0.400 dB/km | 0.400 dB/kn |
| 50 | Span loss | | 45.000 dB | 45.000 de |
| 50 | Span length | | 0.0000 km | 0.0000 kn |
| 20 | Span ORL | | 15.00 dB | 15.00 de |
| | | 04 | | |
| | | OK | Cancel | Apply |
| | | OK | Cance | Apply |
| Project Pr | operties | ОК | Cance | Apply |
| Project Pr | operties | ОК | Cance | Apply |
| Project Pr | operties | OK | Cance | Apply |
| Project Pr /Fail Thresho avelength | operties Ids Thresholds for 1550 nm | OK | Cance | Apply |
| Project Pr (Fail Thresho avelength 310 | operties ids Thresholds for 1550 nm Description | ОК | Cancel | Apply |
| Project Pr /Fail Thresho avelength 310 | operties kls Description Loss | OK Apply | Cancel | 60.000 dB |
| Project Pr /Fail Thresho avelength 310 525 50 | operties Ids Thresholds for 1550 nm Description Loss Loss/m | OK Apply | Cancel | 60.000 dB |

Flexible Reporting

› Various report templates to choose from

- √ Loss and ORL (including EXFO's FasTesT function)
- √ OTDR
- √ PMD
- √ Chromatic dispersion (CD)
- $\sqrt{Fiber characterization}$
- √ Cable report ■

| | Laurent A.SE | t Lavel 30 km | Rafact 2.00 | 2 Referitor Fast 2000 km | | Sun Antonios Fault 2.4000 km | | Ren Barbarber Fault Liffit has | | Positive Fault | | to Fault 13 km |
|---------------------|-----------------|------------------|----------------|--------------------------------|-------|------------------------------------|-------|--------------------------------------|--------|----------------|------|-------------------|
| | Loss (III) | Ruft (x8) | Loss selle | Re10 | Long | - | Loss | - | Loss | - | L088 | Ref. |
| Fiburiti (1310 rani | | 42.7 | 0.271 | -64.2 | 6815 | | 0.003 | | -6.038 | | | -58.4 |
| Fibertil (1988 ran) | | 47.2 | 0.208 | -01.4 | 6112 | | 8.047 | | 0.109 | | | -05.1 |
| Fiberi 1 (1988 ren) | | 42.1 | 0.245 | -52.8 | 6011 | | 0.000 | | -0.055 | | | -54.4 |
| Fiberit2 (1218 ren) | | 42.8 | 0.254 | -65.4 | 6-008 | | 0.007 | | 0.004 | | | -41 |
| Fiber62 (1980 ren) | | 47.1 | 0.210 | -60.0 | 6812 | | 0.017 | | 0.063 | | | -63.6 |
| Fiber63 (1310 ran) | | 42.9 | 0.520 | -54.4 | 6.129 | | 0.004 | | 0.181 | | | -46.1 |
| Fiber03 (1980 ren) | | 47.2 | 0.423 | -50.8 | 8104 | | 0.004 | | 0.118 | | | -45.5 |
| Fiburbi (1210 ran) | | -63.0 | 0.376 | -52.0 | 60e5 | | 0.000 | | 4.017 | | | -487 |
| Fiber64 (1500 ran) | | 47.1 | 0.232 | -80.0 | 6-837 | | 0.008 | | 0.008 | | | -40.6 |
| Palaurid (1310 run) | | -63.1 | 0.196 | -82.0 | 0.148 | | 0.052 | | 0.104 | | | -38.7 |
| Nex | | 42.7 | 0.526 | -90.0 | 0.148 | | 0.052 | | 0,118 | | | -08.1 |

OTDR cable report.

Report customization

Create your own report template with external reporting software such as Crystal Reports®.

Format saving

Easily create comprehensive PDF, Excel or HTML reports, with no additional formatting.

Copy Graph function

Customize your reports by integrating your graphs into documents such as Excel, Word, etc.

| | CD @ 1 | 1550 mm | , | MD | _ | | | OLTS | | | - | | OTOR | _ |
|----------|----------|---------|-------|-------|-------------------------|----------------------|---------------------|-------------------------|-------------------|-------|----------|----------|-----------|---------|
| Filer ID | (pelker) | Cost. | Delay | Cost. | West langth (res) | C008 A-48 1681 | L005 8-4 (40) | Average Loss (48) | 04. 1-1 (6) | 12 | Length | Langen | Max Splex | Avg 5pt |
| 62 | 2333.54 | 55.64 | 0.50 | 0.04 | 1550 | 27 925 | 27.710 | 27.826 | 31.78 | 32.19 | 138.5950 | 138.6335 | 8.158 | 0.00 |
| | | | | | 1625 | 29.900 | 29.490 | 29.540 | 12.35 | 33.41 | 138.5950 | 138 6308 | 0.212 | 0.04 |
| G1 | 2341.23 | 15.00 | 0.54 | 0.03 | 1550 | 28.730 | 28.600 | 28.660 | 12.05 | 32.92 | 138.5460 | 138.5876 | 0.540 | 0.04 |
| | | | | | 1625 | 30.350 | 50.280 | 30.310 | 32.58 | 34.13 | 138.5460 | 138.5949 | 0.239 | 0.09 |
| 64 | 2327.21 | 18.79 | 0.44 | 0.04 | 1550 | 29.010 | 28.870 | 28.940 | 32.97 | 32.60 | 138.5379 | 138.5625 | 6.217 | 0.01 |
| | | | | | 1625 | 30.672 | 30.640 | 30.650 | 20.53 | 34.05 | 138.5370 | 138.5004 | 8.198 | 0.07 |
| 63 | 2328.92 | 55.81 | 0.61 | 0.05 | 1550 | 28.090 | 27.940 | 28.010 | 31.60 | 32.38 | 138.5370 | 138.5825 | 0.214 | 0.06 |
| | | | | | 1625 | 29.790 | 29.740 | 29 700 | 32.25 | 32.01 | 138 5370 | 138.5847 | 0.238 | 0.06 |
| | | | | - | | | | | | | | | | |

Fiber characterization report.

+ ×

One cable report replaces hundreds of single-fiber test printouts, simplifying and speeding up high-fibercount data management. This report automatically provides per-event and per-fiber statistics and flags threshold-exceeding values. It also generates end-toend reports for one or many wavelengths.



AUTOMATE ASSET MANAGEMENT. PUSH TEST DATA IN THE CLOUD. GET CONNECTED.

EXFO Connect pushes and stores test equipment and test data content automatically in the cloud, allowing you to streamline test operation from build-out to maintenance.

| ADDITIONAL SOFTWARE TES | T CAPABILITIES ON THE FTB-1 PLATFORM |
|---------------------------|---|
| | EXpert VoIP generates a voice-over-IP call directly from the test platform to validate performance during service turn-up and troubleshooting. |
| EXpert VUIF TEST TOOLS | Supports a wide range of signaling protocols, including SIP, SCCP, H.248/Megaco and H.323 Supports MOS and R-factor quality metrics Simplifies testing with configurable pass/fail thresholds and RTP metrics |
| EXpert IP TEST TOOLS | EXpert IP integrates six commonly used datacom test tools into one platform-based application to ensure that field technicians are prepared for a wide range of testing needs. Rapidly performs debugging sequences with VLAN scan and LAN discovery Validates end-to-end ping and traceroute Verifies FTP performance and HTTP availability |
| EXpert IPTV TEST TOOLS | This powerful IPTV quality assessment solution enables set-top-box emulation and passive monitoring of IPTV streams, allowing quick and easy pass/fail verification of IPTV installations. Real-time video preview Analyzes up to 10 video streams Comprehensive QoS and QoE metrics including MOS score |



SPECIFICATIONS^a

| TECHNICAL SPECIFICATIONS | ; | | | | |
|---|------------------------|-------------------------------------|-------------------------------------|----------------------------------|------------------------------------|
| External Power Meter | FTB-3932 | FTB-3932X | FTB-3933 | | |
| Detector type | Ge | GeX | InGaAs | | |
| Measurement range (dBm) | 10 to -70 | 26 to -55 | 6 to -73 | | |
| Uncertainty ^{b, c} | $\pm~5~\%\pm~0.1$ nW | \pm 5 % \pm 3 nW | \pm 5 % \pm 0.05 nW | | |
| Wavelength range (nm) | 800 to 1650 | 800 to 1650 | 800 to 1650 | | |
| Display resolution ^b (dB) | 0.01 | 0.01 | 0.01 | | |
| Calibrated wavelengths | 40 | 42 | 40 | | |
| Recommended recalibration period (years) | 3 | 3 | 3 | | |
| Automatic offset nulling ^d | Yes | Yes | Yes | | |
| Measurement-distance units | kilomete | ers, meters, kilofeet, feet, | miles | | |
| Sources | Standard | -4 | -5 | -12C (second port) | -12D (second port) |
| Wavelengths ^e (nm) | 1310 ± 20 1550 ± 20 | 1310 ± 20 1550 ± 20 1625 ± 10 | 1310 ± 20 1490 ± 10 1550 ± 20 | 850 ± 25 1300 +50/-20 | 850 ± 25 1300 +50/-20 |
| Emitter type | Laser | Laser | Laser | LED | LED |
| Minimum output power ^e (dBm) | -1/-1 | -1/-4/-7 | -1/-7/-4 | –27/–27 (50/125 μm) ⁱ | –21/–21 (62.5/125 µm) ⁱ |
| Spectral width ^f (nm) | ≤ 5/≤ 5 | ≤ 5/≤ 5/≤ 5 | ≤ 5/≤ 5/≤ 5 | 50/135 | 50/135 |
| Stability ^g (8 hours) (dB) | ± 0.05 | ± 0.05 | ± 0.05 | ± 0.05 | ± 0.05 |
| FasTesT | Standard | -4 | -5 | -12C (second port) | -12D (second port) |
| Wavelengths (nm) | 1310 1550 | 1310 1550 1625 | 1310 1490 1550 | 850 1300 | 850 1300 |
| Loss range ^h (dB) | 60 | 56 | 56 | 40 | 46 |
| Loss precision ⁱ (repeatability) (dB) side-by-side loopback | 0.15 0.25 | 0.15 0.25 | 0.15 0.25 | 0.15 0.25 | 0.15 0.25 |
| Length measurement range (km) | 200 | 200 | 200 | 5 | 5 |
| Length measurement uncertainty (typical) ^j | | | ± (10 m + 1 % x leng | th) | |

SPECIFICATIONS

| SI LEII ICATIONS | | | | | |
|-----------------------------------|--------|------------------------------------|-----------|--------------------|-------|
| Dedicated ORL Wavelengths | All SM | Talk Set | | VFL ⁱ | |
| ORL range (APC / UPC) (dB) | 65/55 | Emitter type | Laser | Emitter type | Laser |
| ORL uncertainty ⁱ (dB) | ± 0.5 | Wavelength (nm) | 1550 ± 20 | Wavelength (nm) | 650 |
| Resolution ^b (dB) | 0.01 | Dynamic range at 1550 nm (dB) | 45 | Output power (dBm) | 3 |
| | | Dynamic range MM ^k (dB) | 40 | |) |

| GENERAL SP | ECIFICATIONS | | | |
|-----------------|----------------------|------------------------------|---|--|
| Size (H x W x I | C) | 96 mm x 25 mm x 26 | 0 mm (3 ¾ in x 1 in x 10 ¼ in) | |
| Weight | | 0.5 kg (1.1 lb) | | |
| Temperature | operating storage | 0 ℃ to 50 ℃ -40 ℃ to 70 ℃ | (32 °F to 122 °F) (-40 °F to 158 °F) | |
| Relative humidi | ity | 0% to 95% non-cond | lensing | |
| Warranty (year | s) | 3 | | |

Notes

- a. At 23 °C \pm 1 °C and 1550 nm with FC connector and on batteries, unless otherwise specified.
- b. Resolution, uncertainty and linearity are functions of input power; uncertainty is valid at calibration conditions.c. Up to 20 dBm for GeX.
- d. Power of >-45 dBm for Ge, >-30 dBm for GeX and >-47 dBm for InGaAs.

e. In High source mode.

f. As defined by Telcordia TR-TSY-000887, rms for lasers and at -3 dB for LEDs; typical values for LEDs.

g. After a warmup time of 6 minutes, in CW source mode.

EXFO

h. Typical value, at 1550 nm for SM and 850 nm for MM.

i. Typical value.

- j. For fiber length ≤ 120 km.
- k. For graded-index MM fibers; typical.



User guide, Certificate of Calibration, connector adapter (FOA) according to chosen connector and mandrel.

LASER SAFETY



OR

| FTB-3930X-XX-XX-XX | | | | | | |
|--|---|--|--|--|--|--|
| Model FTB-3932 = Ge detector, dual-wavelength 1310/1550 nm FTB-3932-4 = Ge detector, triple-wavelength 1310/1550/1625 nm FTB-3932X = GeX detector, dual-wavelength 1310/1550 nm FTB-3932X-4 = GeX detector, triple-wavelength 1310/1550 nm FTB-3932X-5 = GeX detector, triple-wavelength 1310/1550 nm FTB-39333 = InGaAs detector, triple-wavelength 1310/1550/1625 nm FTB-3933-4 = InGaAs detector, triple-wavelength 1310/1550/1625 nm FTB-3933-5 = InGaAs detector, triple-wavelength 1310/1550/1625 nm FTB-3933-5 = InGaAs detector, triple-wavelength 1310/1550 nm FTB-3933-5 = InGaAs detector, triple-wavelength 1310/1550 nm FTB-3932-12C = Ge detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (50/125 μm) (second port) FTB-39322-12D = Ge detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (50/125 μm) (second port) FTB-3932X-12C = GeX detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (62.5/125 μm) (second port) FTB-3932X-12D = Ge detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (62.5/125 μm) (second port) FTB-3932X-12D = Ge detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (62.5/125 μm) (second port) FTB-3932X-12D = Ge detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (62.5/125 μm) (second port) FTB-3932X-12D = Ge detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (62.5/125 μm) (second port) FTB-3932X-12D = Ge detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (62.5/125 μm) (second port) FTB-3932X-12D = Ge detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (62.5/125 μm) (second port) FTB-3932X-12D = Ge detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (62.5/125 μm) (second port) FTB-3932X-12D = Ge detector, dual-wavelength 1310/1550 nm (first port), dual-wavelength 850/1300 nm (62.5/125 μm) (second p | Connector Adapter (description standard) FOA-12 FOA-14 FOA-16 FOA-22 FOA-28 FOA-32 FOA-54 FOA-98 FOA-98 FOA-99 Connector* EI-EUI-28 = UPC/DIN 47256 EI-EUI-39 = UPC/FC narrow key EI-EUI-99 = UPC/FC narrow key EI-EUI-99 = UPC/SC EI-EUI-98 = UPC/C narrow key ^d EA-EUI-98 = APC/C narrow key ^d EA-EUI-98 = APC/FC narrow key ^d EA | | | | | |
| Example: FTB-3932-12C-EI-EUI-89-FOA-22 | *EXEO Universal Interface is protected by US patent 6.612.750 | | | | | |

Notes

a. Connector type for the talk set is the same as the one specified for the main source.

b. Not available when equipped with second port (850/1300 nm).

c. Not available on second port (850/1300 nm).

d. Connector interface EA (APC) is not available with second port (850/1300 nm).

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