



Product
Overview

01 Acousto-Optic Modulator ↗

02 Adapter ↗

03 AR Coating ↗

04 Armored Cable ↗

05 Attenuator ↗

06 Bandpass Filter (BPF) ↗

07 Cable Box ↗

08 Cable-Capillary ↗

09 Cable-Collimator ↗

10 Cable-IP68 ↗

11 Cable-Loopback (MTP) ↗

12 Cable-Military ↗

13 Cable-Outdoor ↗

14 Cable-Plastic ↗

15 Cable-QBH ↗

16 Cable-Spool ↗

17 CATV EDFA ↗

18 Circulator ↗

19 Cladding Pump Stripper (CPS) ↗

20 Coupler/Splitter ↗

21 Custom Integration Assembly ↗

22 Custom Laser Diode Assembly ↗

23 CWDM ↗

24 Device Termination (Service) ↗

25 DWDM ↗

26 End Cap ↗

27 Fiber Array Unit (FAU) ↗

28 Fiber Shuffle ↗

29 Harness/Fanout Cable ↗

30 Harsh Environment Fiber ↗

31 High Power Isolator ↗

32 Integration ↗

33 Isolator ↗

34 Large Core Fiber ↗

35 Laser Diode ↗

36 Mechanical Connector ↗

37 Mini Size Amplifier ↗

38 Mode Field Adapter (MFA) ↗

39 MOPA (Master Oscillator Power Amplifier) ↗

40 MTP Harness Cable ↗

41 MTP/MPO Trunk Cable ↗

42 NANO/PICO/FEMTOSECOND Fiber Laser ↗

43 Non-Fused Fiber Type (Automation) ↗

44 Optical Cable in Plastic Split Conduit ↗

45 Optical Gain Block ↗

46 Polarization Maintaining Cable ↗

47 Pump Combiner ↗

48 Pump Laser Diode ↗

49 Quick Swipe Cleaning Card (QS2) ↗















50 Radiation Hardened (RAD HARD) ↗














51 Standard Telecom Cables ↗

52 Splice ↗

53 Visible, Infrared Wavelength Cable ↗










54 WDM ↗

- 01 Acousto-Optic Modulator** 
Designed for high-power fiber laser applications, delivering exceptional performance and reliability.
- 02 Adapter** 
Available in flangeless and panel adapter forms for all connector types. For outdoor applications, panel adapters with in-built dust shutters are available.
- 03a AR Coated End-Face Fiber Cable** 
Available for all connector types and core sizes with a R <.05%.
- 03b AR Coating (Service)** 
Available for all connector types and core sizes with a R <.05%.
- 04 Armored Furcation Tubing/Jacketed Cable** 
Designed for enhanced fiber protection in extreme environments.
- 05 Attenuator** 
We offer fixed optical attenuators, optical VOAs, and MEMS VOAs ranging from .3 to 50 dB.
- 06 1060nm & 1550nm Bandpass Filter (BPF)** 
Widely used in fiber laser systems that require purified 1060nm and 1550nm laser output signal.
- 07 Cable Box (Harness Cable in Mechanical Enclosure)** 
Provides a secure and organized fiber management solution.
- 08 Cable-Capillary** 
Neptec offers products with single bore and double bore fiber optic glass ferrule assemblies.
- 09 Cable-Collimator** 
Collimators are the basic parts for micro optical components.
- 10 Cable-IP68** 
Designed for reliable performance in harsh environments.
- 11 Cable-Loopback (MTP)** 
Neptec custom makes MTP loopbacks for all fiber counts and mapping.
- 12 Cable-Military** 
Neptec's Military-Grade Cables are engineered for rugged durability and reliable performance in demanding environments.
- 13 Cable-Outdoor** 
Neptec has a wide variety of ruggedized furcation tubing adapting cables for rough external applications.

- | | | |
|------------|---|---|
| 14 | Cable-Plastic We offer plastic fiber cables for varying core sizes. |  |
| 15 | Cable-QBH Neptec offers quantum beam high-speed fiber optic cables. |  |
| 16a | Cable-Spool We have our in-house spooling machine that can reach <10mm accuracy for fiber length <100m. |  |
| 16b | Cable-Spool (Service) Using our in-house spooling machine we can respool and spool fibers for easier transportation and storage. This can be done for all standard and custom spools. |  |
| 17 | CATV EDFA Neptec offers EDFAs specifically designed for long distance data transmission within telecom applications. |  |
| 18 | Circulator Our optical fibers offer high isolation across all ports. |  |
| 19 | Cladding Pump Stripper (CPS) Designed for high-power fiber lasers and amplifiers, efficiently removing residual pump power, ASE, and escaped core modes from double-clad fibers. |  |
| 20a | Coupler/Splitter Box (Module-Chassis Tap Monitoring Systems) A compact and reliable module-chassis tap monitoring system, designed for seamless optical signal management. |  |
| 20b | Coupler/Splitter-PLC Ensure efficient optical signal management with minimal loss. |  |
| 21 | Custom Integration Assembly We build custom assemblies based off of your industry's unique needs with varying fiber types and device counts. |  |
| 22 | Custom Laser Diode Assembly Provides stable, high-power optical output for advanced applications. |  |
| 23 | CWDM Provides a cost-effective solution for fiber optic networks where channel density demands are moderate. |  |
| 24 | Device Termination (Service) Neptec is equipped to terminate any and all devices with the required type of connector and orientation. |  |

- 25
DWDM
Developed for DWDM systems by Neptec's free space WDM assemblies with 100GHz DWDM thin film filters.
- 26a
End Cap
We provide end caps that reduce power density and allow higher transmitted power from fiber cores.
- 26b
End Cap for Industrial High-Power
Neptec's end caps for Industrial High Power systems protect the tip of high-power fiber lasers against optical damage.
- 27
Fiber Array Unit (FAU)
Designed for high-precision fiber alignment for advanced optical applications.
- 28
Fiber Shuffle
Neptec will custom build assemblies and cables with complex mappings meeting your system's requirements.
- 29
Harness/Fanout Cable
Neptec's makes both single fiber and ribbon fanout cables in armored and non-armored versions.
- 30
Harsh Environment Fiber
We are equipped to work on cables and assemblies using Polyimide and Tefzel coated fibers for higher thermal, chemical, and mechanical resistance respectively.
- 31
High Power Isolator
Delivers unmatched protection for laser systems, eliminating back reflections and unwanted feedback to ensure peak performance.
- 32
Integration
Neptec custom builds sub assemblies with passive components integrated into compact form factors allowing high-density programs to succeed.
- 33
Isolator
Neptec's isolators eliminate back reflection and unwanted feedback to ensure peak performance.
- 34a
Large Core & Dissimilar Fiber Circulator
Designed for efficient optical signal routing in systems using mismatched fiber types.
- 34b
Large Core Fiber Cable
Designed for high-power optical transmission with minimal loss.

- | | | |
|------------|--|---|
| 34c | Large Core Fiber Couplers Provide efficient and low-loss optical signal splitting and combining for high power and large-diameter fiber applications. | ↖ |
| 35 | Laser Diode Provides stable, pigtailed fiber optical output for advanced applications. | ↖ |
| 36 | Mechanical Connector (SnapStrip Connector) An easy & quick field-installable mechanical splice connector, no more performing hand polishing or fiber fusion splicing at the job site. | ↖ |
| 37 | Mini Size Amplifier 13-23dBm, 17dBm, 37dBm Neptec has high compact amplifiers for the ranges of : 13-23dBm, 17dBm, 37dBm. | ↖ |
| 38 | Mode Field Adapter (MFA) Enables seamless optical signal transformation, optimizing beam quality and power handling for high-performance laser systems. | ↖ |
| 39 | MOPA (Master Oscillator Power Amplifier) MOPA pulsed fiber laser delivers precise, high-quality marking, engraving, and micromachining on metals, plastics, and polymers, with excellent reliability, stability, and flexible pulse control for a wide range of industrial applications. | ↖ |
| 40 | MTP Harness Cable Ensure a reliable, high-quality transition from multi-fiber MTP/MPO connectors to individual fiber ports. | ↖ |
| 41 | MTP/MPO Trunk Cable, 12F, 16F, 24F Neptec specializes in the building of MTP/MPO cables: 12F, 16F, 24F, single mode, multimode: OM3 OM4 OM5, male/female, methods A B C or any customized fiber mapping configuration. | ↖ |
| 42 | NANO/PICO/FEMTOSECOND Fiber Laser Neptec offers lasers in NANO/PICO/FEMTOSECOND frequencies. | ↖ |
| 43 | Non-Fused Fiber Type (Automation) We custom draw high fiber count fiber bundles in single mode, PM, and hybrid structures. | ↖ |
| 44 | Optical Cable in Plastic Split Conduit Provides durable and flexible fiber protection for demanding environments. | ↖ |
| 45 | Optical Gain Block Neptec offers a two-stage amplifier. | ↖ |
| 46a | Polarization Maintaining Cable Special Delivers precise polarization control in single fiber and multi-fiber variants. | ↖ |

| | | |
|------------|---|---|
| 46b | Polarization Maintaining Cable Standard Delivers precise polarization control at standard (1310, 1550nm) wavelengths. |  |
| 47 | (2+1)x1; (6+1)x1; 7+1 Pump Combiner Designed for high-power fiber laser applications, delivering exceptional performance and reliability. |  |
| 48 | Pump Laser Diode Provides efficient pump light sources that enable effective coupling and amplification within optical fibers and amplifiers. |  |
| 49 | Quick Swipe Cleaning Card (QS2) Neptec offers QuickSwipe Cleaning cards for easy connector cleaning. |  |
| 50 | Radiation Hardened (RAD HARD) Provides efficient pump light sources that enable effective coupling and amplification within optical fibers and amplifiers. |  |
| 51 | SC, LC, FC, Simplex, Duplex and Other Standard Telecom Cables Neptec provides cables for SC, LC, FC, simplex, duplex and any other standard telecom applications. |  |
| 52 | Splice Neptec offers both as a service and a product single-mode, multi-mode, and PM splicing. |  |
| 53 | Visible, Infrared Wavelength Cable Designed for optical transmission and illumination across visible and IR spectra. |  |
| 54 | WDM Enables efficient optical signal management across wavelength ranges. |  |