



Optic Fiber Patch Cord

NEX1 offers multimode optical fiber patch cords in a wide variety of configurations including simplex and duplex, in several standard lengths, and special lengths to order. Cords are available with SC, ST, FDDI, or combinations of connectors.

Features:

- Variety of combinations for ST-ST, SC-SC, and ST-SC connectors
- Near-unlimited bandwidth at high speeds over long distance
- Total immunity to electrical interference
- Comes in various lengths specified by the customers

Applications

- ◆ 1,000 Mbps Gigabit Ethernet (IEEE 802.3Z)
- ◆ 622 Mbps ATM
- ◆ 155 Mbps ATM
- ◆ 100 Mbps TP-PMD
- ◆ 100 VG-anyLAN
- ◆ 100 Mbps Fast Ethernet (IEEE 802.3u)
- ◆ 10 Mbps Ethernet (IEEE 802.3)
- ◆ 4 Mbps & 16 Mbps Token-Ring (IEEE 802.5)
- ◆ ISDN
- ◆ Analog voice

Physical Specifications

- ◆ Cladding Diameter: 125 μ m
- ◆ Core Diameter: 50/62.5 μ m (multimode)
- ◆ Core Diameter: 9 μ m (single-mode)
- ◆ Minimum Bend Radius: 10 x total diameter
- ◆ Operating Temperature: -40°C to +75°C

Electrical Specifications

- ◆ Attenuation: \leq 3.75 dB/km at 850 nm; \leq 1.5 dB at 1,300 nm; \leq 0.4 dB/km at 1,310 nm; \leq 0.3 dB at 1,550 nm
- ◆ Bandwidth: 200 MHz/km at 850 nm; 600 MHz at 1,300 nm
- ◆ Insertion Loss: < 0.34 dB typical; < 0.15 dB single mode; < 0.3 dB multimode
- ◆ Return Loss: -50 dB single-mode

◆ Optic Fiber Patch Cord: Single-Mode

| Part Number | Description | Std. Pkg. Qty. |
|-------------|--|----------------|
| NFP9SS-* | 9/125 μ m duplex optical fiber cable with two ST connectors on each end. | 1 |
| NFP9CC-* | 9/125 μ m duplex optical fiber cable with two SC connectors on each end. | 1 |
| NFP9CS-* | 9/125 μ m duplex optical fiber cable with two ST connectors on one end and two SC connectors on the other end. | 1 |

◆ Optic Fiber Patch Cord: Multimode

| Part Number | Description | Std. Pkg. Qty. |
|-------------|---|----------------|
| NFP5SS-* | 50/125 μ m duplex optical fiber cable with two ST connectors on each end. | 1 |
| NFP5CC-* | 50/125 μ m duplex optical fiber cable with two SC connectors on each end. | 1 |
| NFP5CS-* | 50/125 μ m duplex optical fiber cable with two ST connectors on one end and two SC connectors on the other end. | 1 |

◆ Optic Fiber Patch Cord: Multimode

| Part Number | Description | Std. Pkg. Qty. |
|-------------|---|----------------|
| NFP6SS-* | 62.5/125 μ m duplex optical fiber cable with two ST connectors on each end. | 1 |
| NFP6CC-* | 62.5/125 μ m duplex optical fiber cable with two SC connectors on each end. | 1 |
| NFP6CS-* | 62.5/125 μ m duplex optical fiber cable with two ST connectors on one end and two SC connectors on the other end. | 1 |

"*" mark stands for different digit for the lengths of the cords specified by the customers. 1 stands for 1 meter; 2 for 2 meters etc.