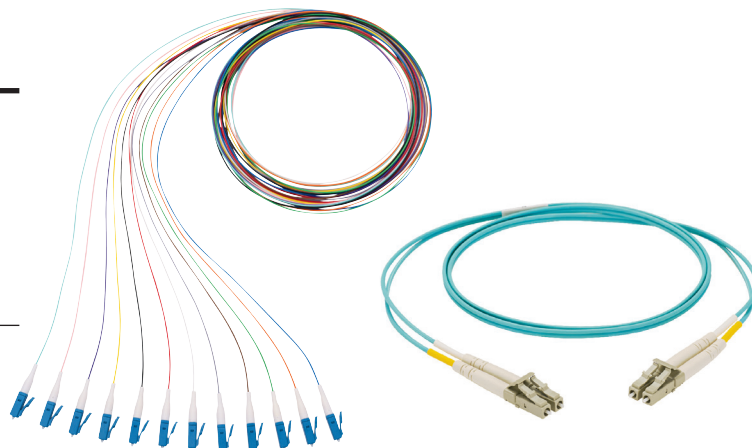


# NetKey® Fiber Optic Patch Cords and Pigtails – OFNR and LSZH

## technical information

NetKey® Fiber Optic Patch Cords include duplex LC, SC, and ST connectors on both ends and pigtails include simplex LC, SC, and ST on one end, and open (un-terminated) on the other end. Patch cords and pigtails meet requirements of TIA/EIA-568-C.3-1. The fiber connectors are FOCIS compliant or compatible and meet the requirements of TIA/EIA-455-21A. Quality control reference label provides lifetime traceability of test data.



## application

Provide interconnect and cross-connect of applications in entrance facilities, telecommunications rooms, data centers, and at the desk. Support network applications to interconnect pre-terminated cassettes in main distribution, horizontal distribution, and equipment distribution areas. Riser rated patch cords support installations that require this flame rating in specific environments.

## standards

**Standards requirements:** TIA/EIA 568-C.3-1 and ISO/IEC 61755-3-1 IEC-61754-7 (International)  
TIA-604-2-A, -3-A, and -10-A  
FOCIS -2, -3, and -10

## construction

|                              |                                |                                               |
|------------------------------|--------------------------------|-----------------------------------------------|
| <b>Fiber Size:</b>           | Pigtails:                      | 900µm tight-buffered fiber                    |
|                              | Patch Cords:                   | 1.6mm or 3.0mm duplex jacketed zip cord cable |
| <b>Cable Jacket Ratings:</b> | Riser (OFNR):                  | Per UL 1666 and c(UL) FT-4                    |
|                              | Low Smoke Zero Halogen (LSZH): | Per IEC 60332-1, IEC 60754-2, IEC 61034       |
| <b>Connector Types:</b>      | LC, SC, and ST                 |                                               |
| <b>Jacket Color:</b>         | OS2:                           | Yellow                                        |
|                              | OM1:                           | Orange                                        |
|                              | OM2:                           | Orange                                        |
|                              | OM3:                           | Aqua                                          |
|                              | OM4:                           | Aqua                                          |
| <b>Fiber Types:</b>          | Singlemode:                    | OS2 9/125µm                                   |
|                              | Multimode:                     | OM1 62.5/125µm                                |
|                              |                                | OM2 50/125µm                                  |
|                              |                                | OM3 50/125µm                                  |
|                              |                                | OM4 50/125µm                                  |
| <b>Ferrule Material:</b>     | Zirconia Ceramic               |                                               |

## optical properties

|                        |                  |             |
|------------------------|------------------|-------------|
| <b>Insertion Loss:</b> | All fiber types: | 0.30dB max. |
| <b>Return Loss:</b>    | OS2:             | 50dB min.   |
|                        | OM1:             | 20dB min.   |
|                        | OM2:             | 20dB min.   |
|                        | OM3:             | 26dB min.   |
|                        | OM4:             | 26dB min.   |

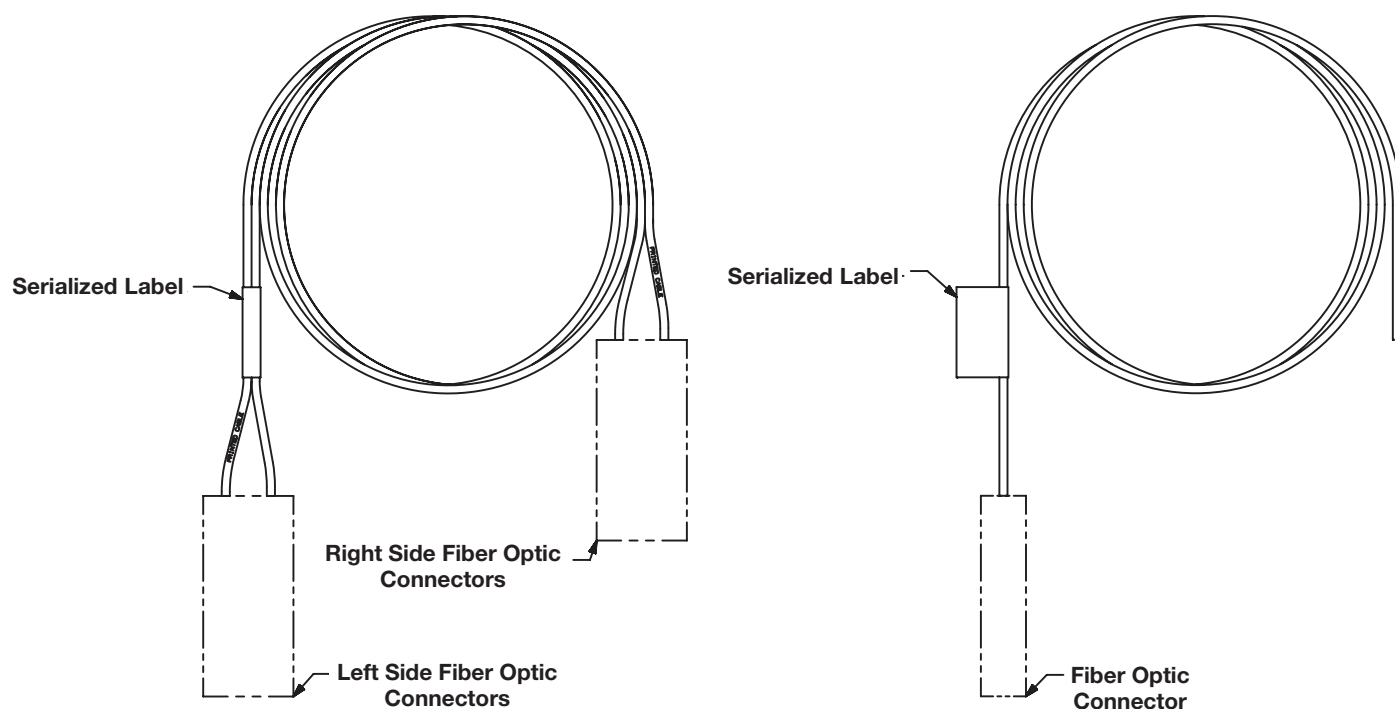
# NetKey® Fiber Optic Patch Cords and Pigtails – OFNR and LSZH

| NetKey® Patch Cords                      |                |              |                                |
|------------------------------------------|----------------|--------------|--------------------------------|
| Part Number                              | Connector Type | Flame Rating | Lengths*(meters)               |
| <b>OM4 Multimode Duplex Patch Cords</b>  |                |              |                                |
| NKFPZ22RLLSM001                          | LC-LC          | OFNR         | 1-10m, 15m, 20m                |
| NKFPZ22LLLSM001                          | LC-LC          | LSZH         | 1-10m, 15m, 20m                |
| <b>OM3 Multimode Duplex Patch Cords</b>  |                |              |                                |
| NKFPX2ERLLSM001                          | LC-LC          | OFNR         | 1 - 15m, 20,25,30,35,40,45,50m |
| NKFPX2ERLSSM001                          | LC-SC          | OFNR         | 1 - 15m, 20,25,30,35,40,45,50m |
| NKFPX23RSSSM001                          | SC-SC          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFPX23R22SM001                          | ST-ST          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFPX2ELLLSM001                          | LC-LC          | LSZH         | 1 - 15m, 20,25,30,35,40,45,50m |
| NKFPX2ELLSSM001                          | LC-SC          | LSZH         | 1 - 15m, 20,25,30,35,40,45,50m |
| NKFPX23LSSSM001                          | SC-SC          | LSZH         | 1 - 5m, 10,15,20m              |
| NKFPX23L22SM001                          | ST-ST          | LSZH         | 1 - 5m, 10,15,20m              |
| <b>OM2 Multimode Duplex Patch Cords</b>  |                |              |                                |
| NKFP52ERLLSM001                          | LC-LC          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFP52ERLSSM001                          | LC-SC          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFP523RSSSM001                          | SC-SC          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFP523R22SM001                          | ST-ST          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFP52ELLLSM001                          | LC-LC          | LSZH         | 1 - 5m, 10,15,20m              |
| NKFP52ELLSSM001                          | LC-SC          | LSZH         | 1 - 5m, 10,15,20m              |
| NKFP523LSSSM001                          | SC-SC          | LSZH         | 1 - 5m, 10,15,20m              |
| NKFP523L22SM001                          | ST-ST          | LSZH         | 1 - 5m, 10,15,20m              |
| <b>OM1 Multimode Duplex Patch Cords</b>  |                |              |                                |
| NKFP62ERLLSM001                          | LC-LC          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFP62ERLSSM001                          | LC-SC          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFP623RSSSM001                          | SC-SC          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFP623R22SM001                          | ST-ST          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFP62ELLLSM001                          | LC-LC          | LSZH         | 1 - 5m, 10,15,20m              |
| NKFP62ELLSSM001                          | LC-SC          | LSZH         | 1 - 5m, 10,15,20m              |
| NKFP623LSSSM001                          | SC-SC          | LSZH         | 1 - 5m, 10,15,20m              |
| NKFP623L22SM001                          | ST-ST          | LSZH         | 1 - 5m, 10,15,20m              |
| <b>OS2 Singlemode Duplex Patch Cords</b> |                |              |                                |
| NKFP92ERLLSM001                          | LC-LC          | OFNR         | 1 - 15m, 20,25,30,35,40,45,50m |
| NKFP92ERLSSM001                          | LC-SC          | OFNR         | 1 - 15m, 20,25,30,35,40,45,50m |
| NKFP923RSSSM001                          | SC-SC          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFP923R22SM001                          | ST-ST          | OFNR         | 1 - 5m, 10,15,20m              |
| NKFP92ELLLSM001                          | LC-LC          | LSZH         | 1 - 15m, 20,25,30,35,40,45,50m |
| NKFP92ELLSSM001                          | LC-SC          | LSZH         | 1 - 15m, 20,25,30,35,40,45,50m |
| NKFP923LSSSM001                          | SC-SC          | LSZH         | 1 - 5m, 10,15,20m              |
| NKFP923L22SM001                          | ST-ST          | LSZH         | 1 - 5m, 10,15,20m              |

| NetKey® Pigtails                                 |                |                  |
|--------------------------------------------------|----------------|------------------|
| Part Number                                      | Connector Type | Lengths*(meters) |
| <b>OM4 Pigtails</b>                              |                |                  |
| NKFPZ1BN1NNM001                                  | LC             | 1m & 2m          |
| <b>OM3 Pigtails</b>                              |                |                  |
| NKFPX1BN1NNM001                                  | LC             | 1m               |
| NKFPX1BN2NNM001                                  | ST             | 1m               |
| NKFPX1BN3NNM001                                  | SC             | 1m               |
| <b>OM2 Pigtails</b>                              |                |                  |
| NKFP51BN1NNM001                                  | LC             | 1m               |
| NKFP51BN2NNM001                                  | ST             | 1m               |
| NKFP51BN3NNM001                                  | SC             | 1m               |
| <b>OM1 Pigtails</b>                              |                |                  |
| NKFP61BN1NNM001                                  | LC             | 1m               |
| NKFP61BN2NNM001                                  | ST             | 1m               |
| NKFP61BN3NNM001                                  | SC             | 1m               |
| <b>OS2 Pigtails</b>                              |                |                  |
| NKFP91BN1NNM001                                  | LC             | 1m               |
| NKFP91BN2NNM001                                  | ST             | 1m               |
| NKFP91BN3NNM001                                  | SC             | 1m               |
| <b>OS2 and OM3 Pigtails Kits (12-color kits)</b> |                |                  |
| NKFP91BN1NKM001                                  | LC             | 1m               |
| NKFPX1BN1NKM001                                  | LC             | 1m               |

\*Replace last two digits of part number with desired length. Lengths above 20 meters are only available in multiples of 5

# NetKey® Fiber Optic Patch Cords and Pigtails – OFNR and LSZH

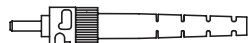


## Netkey Patch Cord

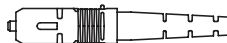
## Netkey Pigtail



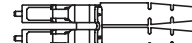
Simplex LC



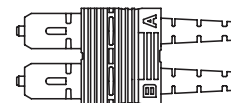
ST



Simplex SC



Duplex LC



Duplex SC

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