



NEX1 Technologies Co., Ltd

## Optical Fiber Patch Cord Technical Specifications

| Specifications                       | Values                      |                                       |                             |                             |
|--------------------------------------|-----------------------------|---------------------------------------|-----------------------------|-----------------------------|
|                                      | Single mode                 |                                       | Multi-mode                  |                             |
| Fiber type                           |                             |                                       |                             |                             |
| Connector type                       | SC, FC, ST, LC,<br>MU       | MTRJ                                  | SC, FC, ST, LC,<br>MU       | MTRJ                        |
| Insertion loss (typical)             | 0.2 dB                      | 0.3 dB                                | 0.2 dB                      | 0.3 dB                      |
| Insertion loss (maximum)             | 0.3 dB                      | 0.5 dB                                | 0.3 dB                      | 0.5 dB                      |
| Return loss (typical): PC polishing  | ≥ 40 dB                     | FC polishing: 40 dB<br>(flat contact) |                             |                             |
| Return loss (typical): SPC polishing | ≥ 45 dB                     | FC polishing: 40 dB<br>(flat contact) |                             |                             |
| Return loss (typical): UPC polishing | ≥ 50 dB                     | FC polishing: 40 dB<br>(flat contact) |                             |                             |
| Return loss (typical): APC polishing | ≥ 65 dB                     | FC polishing: 40 dB<br>(flat contact) |                             |                             |
| Mating durability (500 cycles)       | 0.2 dB                      | 0.2 dB                                | 0.2 dB                      | 0.2 dB                      |
| Operating temperature                | -40°C - + 80°C<br>(Celsius) | -40°C - + 80°C<br>(Celsius)           | -40°C - + 80°C<br>(Celsius) | -40°C - + 80°C<br>(Celsius) |
| Storage temperature                  | -40°C - + 85°C<br>(Celsius) | -40°C - + 85°C<br>(Celsius)           | -40°C - + 85°C<br>(Celsius) | -40°C - + 85°C<br>(Celsius) |