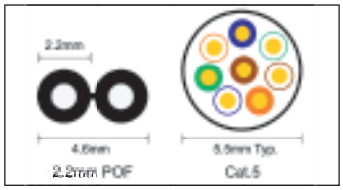
Plastic Optical Fiber

Plastic Optical Fiber for Networking

Cable Comparison:



An optical fiber made of plastic. In large-diameter fibers, 96% of the cross section is the core that allows the transmission of light. Similar to traditional glass fiber, POF transmits light (or data) through the core of the fiber. The core size of POF is in some cases 100 times larger than glass fiber.

Advantages:

- Low cost
- Thin, but rugged
- Home friendly
- Easy and safe to install

Item:

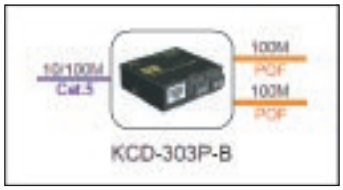
- POF cable 1.5mm
- POF cable 2.2mm

Specifications:

Conductor size	Core: 0.98 ±0.06mm, Cladding: 1.0 ±0.06mm
Conductor Number	2 Core
Conductor Material	Core: PMMA Cladding: Fluorinated ploymer
Conductor Diamter	1.0 ±0.03mm
Insulation Material	PE
Insulation Nom. thickness	1.5 mm: 0.25mm 2.2 mm: 0.59mm
Insulation Overrall Diameter	1.5 mm: 1.5mm (+0, -0.1) * 3.0mm (+0.1, -0.2) 2.2 mm: 2.2mm (+0.1, -0.1) * 4.4mm (+0.2, -0.2)
Attenuation	Maximum@650nm: 250dB/KM
Core refractive	1.492
Cladding refractive	1.417
N_A	0.47 ±0.03
Tensile strength	≥70N (for simplex) ≥140N (for duplex)
Allowable bending radius	≥30mm

KTI POF Products:

Fast Ethernet Media Converter Switches



Model	UTP Ports	POF Ports	POF Cable
KCD-303P-A1	2	1	1.5mm
KCD-303P-A2	2	1	2.2mm
KCD-303P-B1	1	2	1.5mm
KCD-303P-B2	1	2	2.2mm

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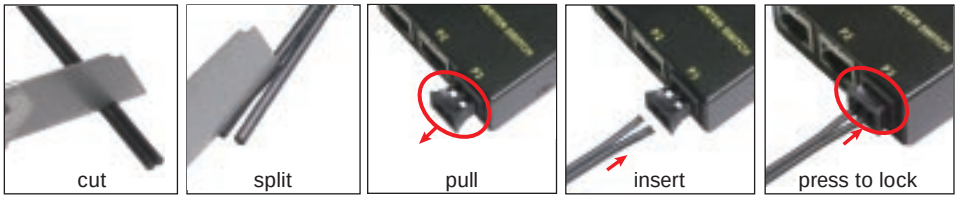
Easy POF Installation:

The design of the product enables the POF to be cut and terminated to the exact required length on site, allowing even the most novice user to quickly and easily terminate the bare POF fiber. To terminate the POF cable into OptoLock™ connector, the end of the cable is cut cleanly, and the two strands are separated. One strand is inserted into each of two holes in the termination housing, which is then pressed closed to hold the POF in place.



Ordering Informations:

U22-0001-001	POF cable-duplex-1.5mm 5M
U22-0001-002	POF cable-duplex-1.5mm 10M
U22-0001-003	POF cable-duplex-1.5mm 15M
U22-0001-004	POF cable-duplex-1.5mm 50M
U22-0001-005	POF cable-duplex-1.5mm 100M
U22-0001-006	POF cable-duplex-1.5mm 300M
U22-0001-007	POF cable-duplex-1.5mm 500M
U22-0001-008	POF cable-duplex-1.5mm 1000M
U22-0002-001	POF cable-duplex-2.2mm 5M
U22-0002-002	POF cable-duplex-2.2mm 10M
U22-0002-003	POF cable-duplex-2.2mm 15M
U22-0002-004	POF cable-duplex-2.2mm 50M
U22-0002-005	POF cable-duplex-2.2mm 100M
U22-0002-006	POF cable-duplex-2.2mm 300M
U22-0002-007	POF cable-duplex-2.2mm 500M
U22-0002-008	POF cable-duplex-2.2mm 1000M