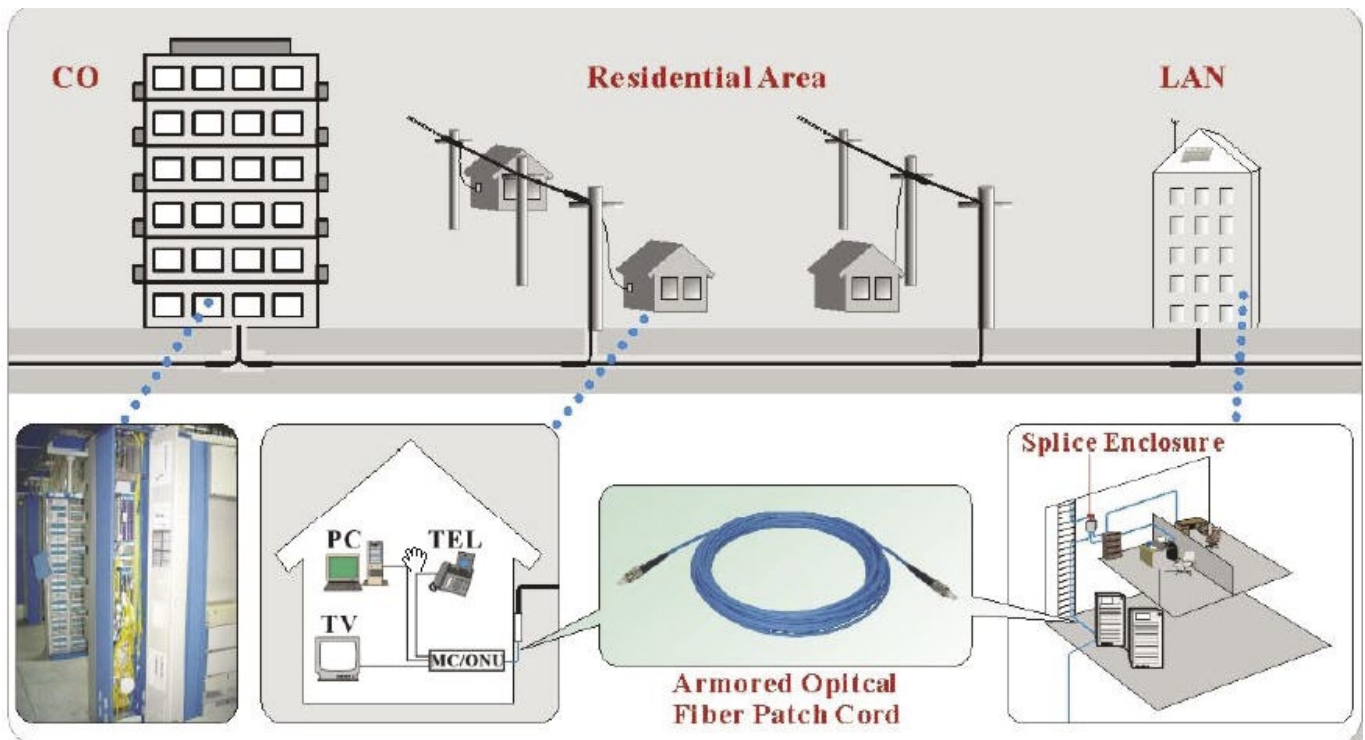
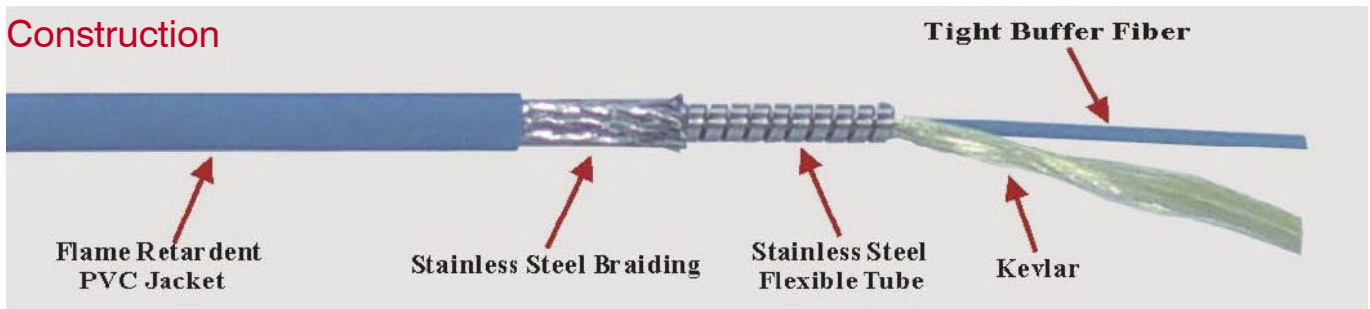


FIBER OPTIC CABLE ASSEMBLIES

Armored Patch Cords

The armored cables are used in harsh environments and they enhance the stability and safety of the whole network. They are also very popular for covering long distances, since the fibers are protected by a stainless steel flexible tube, which substantially increases the tensile strength, pressure and twist resistance. As a result it greatly increases the yield during the installation phase and thus offers a high cost saving. These cables sustain up to 300 kilo weight which also avoids damage from trampling on the cables. The construction of the armored cable offers high flexibility despite the armored braiding and tubing surrounding the fiber optic cable. It also secures transmission power and avoids extra attenuation compared to standard patch cords, in case of bending/twisting the cables and/or when using cable ties to attach several cables together.

Construction



FIBER OPTIC CABLE ASSEMBLIES

Specifications for Armored Patch Cords

General specifications

- Mating durability: min. 500 cycles
- Operating temperature: -40°C to +85°C
- RoHS compliant
- Pulling force: 20 kilos (pulling velocity 50mm/min)
- Load force: 300 kilos (Tube deformation >50°, FO still functioning)
- Cable diameter: 3mm
- Individual Lot numbers & Test Results delivered per cable
- Cable length tolerances:

less than 0.5 meter	=	+/- 10cm
between 0.5 meter and 5 meter	=	+/- 15cm
over 5 meters	=	+/- 20cm

Specifications for singlemode patch cords (OS2 & OS2-APC style)

- Fiber terminations:

PC = ultra polished style
APC = (8° angled polished style)
- Connector styles:

PC: available in E2000, FC, LC, MTRJ, MU, SC, ST
APC: available in E2000, FC, SC
- Insertion Loss: <0.5dB for MTRJ / <0.3dB (all others)
- Return Loss: >55dB for PC / >60dB for APC
- Standard color: Yellow (others on request)

Specifications for multimode patch cords (OM2, OM3, OM4)

- Fiber types:

OM2 = 50/125µm / OM3 = 50/125µm
OM4 = enhanced 50/125µm
- Fiber termination: PC = ultra polished style
- Connector styles: available in E2000, FC, LC, MTRJ, MU, SC, ST
- Insertion Loss: <0.3dB / typ. 0.2dB
- Standard colors:

OM2 = Orange
OM3 = Blue
OM4 = Magenta
Other colors (on request)