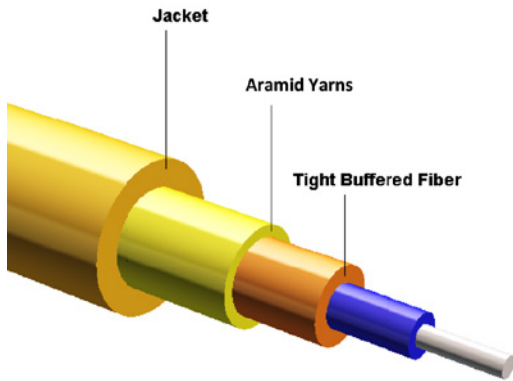


SIMPLEX CABLE



Description

Tight buffered tubes with 0.6 mm or 0.9 mm diameter are often used for indoor simplex cables. The simplex cable is composed of an optical fiber (with primary coating) in a tight buffered tube, aramid yarns, and a cable outer jacket.

Applications

- Used in optical communication equipment room and optical distribution frames
- Used as connections in data processing equipment and optical telecommunication equipment
- Used as pigtailed and patch cords
- Installation in indoor area

Features

- Soft, flexible and easy to strip
- Flame retardant, self-extinguishing
- Non-toxic and halogen free
- Excellent mechanical and thermal properties
- High capacity in data transmission

Characteristics

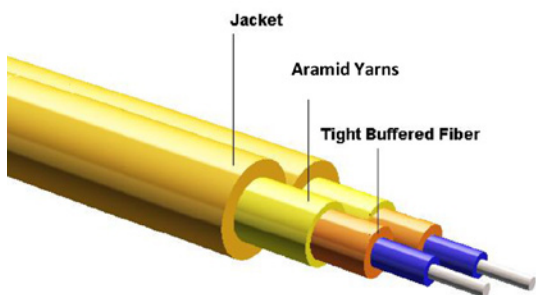
| | | | | |
|--------------------------------------|--|----------|-------------|-----------|
| Cable Diameter : | 1.4-1.9mm | 2.1mm | 2.4mm | 2.8mm |
| Cable Weight : | 2.1-3.2kg/km | 3.8kg/km | 5,3kg/km | 7,85kg/km |
| Long Term Tensile Strength : | 100N | 100N | 150N | 200N |
| Short Term Tensile Strength : | 100N | 200N | 300N | 400N |
| Long Term Crush Resistance : | 100-300 N/100mm | | 300 N/100mm | |
| Short Term Crush Resistance : | 200-500 N/100mm | | 700 N/100mm | |
| Min. Bend. Radius : | dynamic 50mm / static 25mm | | | |
| Temperature Range : | -10 °C to +50 °C Installation -20 °C to +70 °C In service -25 °C to +70 °C Storage | | | |

Options

- Optical fiber :** Single-mode (G.652.D, G.655.C, G.657.A1, G.657.A2, G.657.B) or Multi-mode (OM1-4)
- Fiber Type :** LSZH, PVC, PUR or any other contracted material
- Jacket color :** 24 different colors possible
- Cable Ø :** Standard diameters: 1.4 mm, 1.7 mm, 2.0 mm, 2.4 mm, 2.7 mm, or any other contracted diameter

| Cable type | Fiber Type | Cable Ø | Drum Length |
|---------------|---|-----------------------------|-------------|
| SIMPLEX CABLE | G.652.D, G.655.C, G.657.A1, G.657.A2, G.657.B | 1.4-1.9mm 2.1mm 2.4mm 2.8mm | 2 km |

DUPLEX CABLE



Description

A duplex cable consists of 2 simplex cables. Semi-tight buffered or tight buffered tubes with 0.9 mm or 0.6 mm diameter are often used. Each fiber is strain relieved with aramid yarns and protected by a cable outer jacket.

Applications

- Used as indoor cables
- Used in telecommunication equipment rooms and optical distribution frames
- Used as connections in data processing equipment and optical telecommunication equipment
- Used as jumper cables and pigtails

Features

- Tight bending radius (flat side)
- Easily separated into two simplex cables
- Soft, flexible and easy to strip
- Excellent mechanical and thermal properties
- High capacity in data transmission

Characteristics

| | | |
|--------------------------------------|--|--------------|
| Cable Diameter : | 2.0x4.1 mm | 2.7x5.5mm |
| Cable Weight : | 7.9kg/km | 13.6kg/km |
| Long Term Tensile Strength : | 2x100N | 2x100N |
| Short Term Tensile Strength : | 400N | 400N |
| Long Term Crush Resistance : | 200 N/100mm | 200 N/100mm |
| Short Term Crush Resistance : | 500 N/100mm | 1000 N/100mm |
| Min. Bend. Radius : | dynamic 50mm / static 25-30mm | |
| Temperature Range : | -10 °C to +50 °C Installation -20 °C to +70 °C In service -25 °C to +70 °C Storage | |

Options

- Optical fiber :** Single-mode (G.652.D, G.655.C, G.657.A1, G.657.A2, G.657.B) or Multi-mode (OM1-4)
- Fiber Type :** LSZH, PVC, PUR or any other contracted material
- Jacket color :** 12 different colors possible
- Cable Ø :** Standard simplex cable diameters: 1.7 mm, 2.0 mm and 2.7 mm or any other contracted diameter

| Cable type | Fiber Type | Cable Ø | | Drum Length |
|--------------|---|-----------|-----------|-------------|
| DUPLEX CABLE | G.652.D, G.655.C, G.657.A1, G.657.A2, G.657.B | 2.0x4.1mm | 2.7x5.5mm | 2 km |