



2017



CATALOG

CABLE, FTTX, FDU, CONNECTOR, PIGTAIL, PATCH CORD, MPO, TELECOM, TOOLS & TESTER

FIBER OPTIC



DESCRIPTION / APPLICATION

- LINK Outdoor/Indoor, fiber optic cable special design used for campus backbone (inter-building), building backbone (intra-building), together with outdoor and indoor installation
- Small diameter and lightweight design to save space inside duct
- Designed for duct and lash-aerial installation
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet, Gigabit Ethernet and 10G Ethernet) ATM, FDDI, Fiber Channel, CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 696, ANSI/ICEA 596
- Telcordia(Bellcore)GR-20-CORE,GR-409-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801 : 2002, ISO/IEC 11801:2011(Ed.2.2)
- IEC 60332-1, IEC60332-3
- IEC 61034-2, IEC60754-2
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2165-2548
- RoHS Compliant



FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- E-glass yarns provide for strength member (for UFCX3XX)
- FRP Central Strength Member provide for tensile strength (for UFCX3XXM)
- Water blocking tape provide for double protection and safety for outdoor environment
- Ripcord is easy to strip
- UV-resistant, Flame-retardant black PE with LSZH (Low Smoked Zero Halogen) outer jacket
- Multi-Tube structure contain 6 - 144 Core

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|--------------------------|--------------------|--------------------|--------------------|
| | 9/125 μm (OS2) | 62.5/125 μm (OM1) | 50/125 μm (OM2) | 50/125 μm (OM3) | 50/125 μm (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.21 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 ± 0.01 | 0.275 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 |

MECHANICAL PROPERTIES

| | UFCX3XX 4 - 12 Core | UFCX3XXM 24 - 48 Core | |
|---|------------------------|--------------------------|----------------|
| Max. Tensile Load, Installation / Operation | 2,700 / 600 | 2,700 / 1,000 | N |
| Max. Crush Resistance | 2,200 | 2,200 | N / 10 cm |
| Cable Diameter, approx. | 9.4 ± 0.5 | 10.6 - 11.6 | mm |
| Cable Weight, approx. | 92 ± 10 | 112 - 130 | kg / km |
| Min. Bending Radius, Installation / Operation | 15x / 10x | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | -40°C to +75°C | |

PART NUMBER : OUTDOOR/INDOOR, ALL-DIELECTRIC, FR-LSZH

| Description | 4 Core | 6 Core | 8 Core | 12 Core | 24 Core |
|------------------------------|---------|---------|---------|---------|----------|
| Singlemode, 9/125 μm, OS2 | UFC9304 | UFC9306 | UFC9308 | UFC9312 | UFC9324M |
| Multimode, 62.5/125 μm, OM1 | UFC6304 | UFC6306 | UFC6308 | UFC6312 | UFC6324M |
| Multimode, 50/125 μm, OM2 | UFC5304 | UFC5306 | UFC5308 | UFC5312 | UFC5324M |
| XG Multimode, 50/125 μm, OM3 | UFC4304 | UFC4306 | UFC4308 | UFC4312 | UFC4324M |
| Multimode, 50/125 μm, OM4 | UFC3304 | UFC3306 | UFC3308 | UFC3312 | UFC3324M |

OUTDOOR/INDOOR ARMORED, FR-LSZH

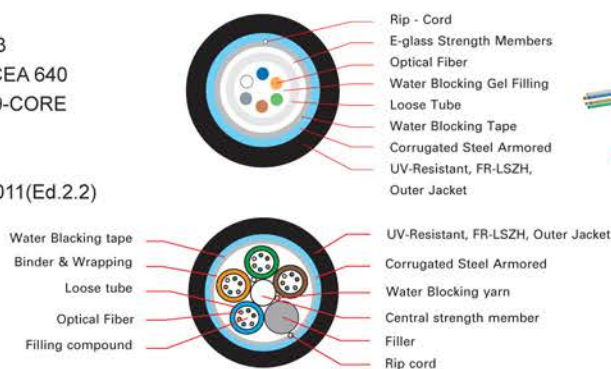


DESCRIPTION / APPLICATION

- LINK Outdoor/Indoor, Armored, fiber optic cable special design used for campus backbone (inter-building) building backbone (intra-building), indoor and outdoor installation
- Small diameter and lightweight design to save space inside duct
- Designed for direct burial, duct and lash-aerial installation
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 696, ANSI/ICEA 596, ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE,GR-409-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801 : 2002, ISO/IEC 11801:2011(Ed.2.2)
- IEC 60332-1, IEC60332-3
- IEC 61034-2, IEC60754-2
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2165-2548
- RoHS Compliant



FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- E-glass yarns provide for strength member (for UFCX3XXA)
- High Strength Steel Wire Central Strength Member provide for tensile strength (FRP available on Request)(for UFCX3XXMA)
- Water blocking tape provide for double protection and safety for outdoor environment
- Ripcord is easy to strip
- Corrugated steel tape coat with polymer provides rodent protection
- UV-resistant, Flame-retardant black PE with LSZH (Low Smoked Zero Halogen) outer jacket
- Multi-tube structure contain 6 - 144 core

OPTICAL PREFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|--------------------------|--------------------|--------------------|--------------------|
| | 9/125 μm (OS2) | 62.5/125 μm (OM1) | 50/125 μm (OM2) | 50/125 μm (OM3) | 50/125 μm (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 ± 0.01 | 0.275 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 |

MECHANICAL PROPERTIES

| | UFCX3XXA 4 - 12 Core | UFCX3XXMA 24 - 48 Core | |
|---|-------------------------|---------------------------|----------------|
| Max. Tensile Load, Installation / Operation | 2,700 / 1,000 | 2,700 / 1,500 | N |
| Max. Crush Resistance | 4,400 | 4,400 | N / 10 cm |
| Cable Diameter, approx. | 10.0 ± 0.5 | 10.5 - 11.5 | mm |
| Cable Weight, approx. | 120 ± 10 | 135 - 155 | kg / km |
| Min. Bending Radius, Installation / Operation | 15x / 10x | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | -40°C to +75°C | |

PART NUMBER : OUTDOOR/INDOOR, ARMORED, FR-LSZH

| Description | 4 Core | 6 Core | 8 Core | 12 Core | 24 Core |
|------------------------------|----------|----------|----------|----------|-----------|
| Singlemode, 9/125 μm, OS2 | UFC9304A | UFC9306A | UFC9308A | UFC9312A | UFC9324MA |
| Multimode, 62.5/125 μm, OM1 | UFC6304A | UFC6306A | UFC6308A | UFC6312A | UFC6324MA |
| Multimode, 50/125 μm, OM2 | UFC5304A | UFC5306A | UFC5308A | UFC5312A | UFC5324MA |
| XG Multimode, 50/125 μm, OM3 | UFC4304A | UFC4306A | UFC4308A | UFC4312A | UFC4324MA |
| Multimode, 50/125 μm, OM4 | UFC3304A | UFC3306A | UFC3308A | UFC3312A | UFC3324MA |

DESCRIPTION / APPLICATION

- LINK Outdoor/Armored, fiber optic cable special design used for campus backbone (inter-building) building backbone (intra-building), indoor and outdoor installation
- Small diameter and lightweight design to save space inside duct
- Designed for direct burial, duct and lash-aerial installation
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002
- ISO/IEC 11801:2011(Ed.2.2)
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2165-2548
- RoHS Compliant



OUTDOOR, Armored, Single Tube
UFCX6XX

FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- E-glass yarns provide for strength member
- Water blocking tape provide for double protection and safety for outdoor environment
- Ripcord is easy to strip
- Corrugated steel tape coat with polymer provides rodent protection
- UV-resistant, black HDPE outer jacket

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| | 9/125 μ m (OS2) | 62.5/125 μ m (OM1) | 50/125 μ m (OM2) | 50/125 μ m (OM3) | 50/125 μ m (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 \pm 0.01 | 0.275 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 |

MECHANICAL PROPERTIES

| | | |
|---|------------------------|----------------|
| | UFCX6XX 4 - 12 Core | |
| Max. Tensile Load, Installation / Operation | 2,700 / 1,000 | N |
| Max. Crush Resistance | 4,400 | N / 10 cm |
| Cable Diameter, approx. | 10.0 \pm 0.5 | mm |
| Cable Weight, approx. | 120 \pm 10 | kg / km |
| Min. Bending Radius, Installation / Operation | 15x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | |

PART NUMBER : OUTDOOR, ARMORED SINGLE-TUBE, HDPE

| Description | 4 Core | 6 Core | 8 Core | 12 Core |
|-----------------------------------|---------|---------|---------|---------|
| Singlemode, 9/125 μ m, OS2 | UFC9604 | UFC9606 | UFC9608 | UFC9612 |
| Multimode, 62.5/125 μ m, OM1 | UFC6604 | UFC6606 | UFC6608 | UFC6612 |
| Multimode, 50/125 μ m, OM2 | UFC5604 | UFC5606 | UFC5608 | UFC5612 |
| XG Multimode, 50/125 μ m, OM3 | UFC4604 | UFC4606 | UFC4608 | UFC4612 |
| Multimode, 50/125 μ m, OM4 | UFC3604 | UFC3606 | UFC3608 | UFC3612 |

ARMORED, MULTI-TUBE SINGLE or DOUBLE JACKET

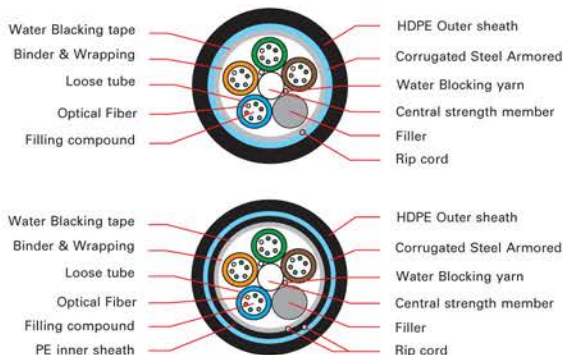


DESCRIPTION / APPLICATION

- LINK Outdoor/Armored, fiber optic cable special design used for campus backbone (inter-building) building backbone (intra-building), indoor and outdoor installation
- Small diameter and lightweight design to save space inside duct
- Designed for direct burial, duct and lash-aerial installation
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002
- ISO/IEC 11801:2011(Ed.2.2)
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2166-2548
- RoHS Compliant



OUTDOOR, Armored, Multi-Tube, Single Jacket
UFCX6XXM



OUTDOOR, Armored, Multi-Tube, Double Jacket
UFCX6XXMD

FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- E-glass yarns provide for strength member
- High Strength Steel Wire Central Strength Member provide for tensile strength (FRP available on Request)
- Water blocking tape provide for double protection and safety for outdoor environment
- Ripcord is easy to strip
- Corrugated steel tape coat with polymer provides rodent protection
- UV-resistant, black HDPE outer jacket
- Multi tube structure contain up to 312 core

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| | 9/125 μ m (OS2) | 62.5/125 μ m (OM1) | 50/125 μ m (OM2) | 50/125 μ m (OM3) | 50/125 μ m (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 \pm 0.01 | 0.275 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 |

MECHANICAL PROPERTIES

| | UFCX6XXM 24 - 60 Core | UFCX6XXMD 24 - 60 Core | |
|---|--------------------------|---------------------------|----------------|
| Max. Tensile Load, Installation / Operation | 2,700 / 1,500 | 2,700 / 1,500 | N |
| Max. Crush Resistance | 4,400 | 4,400 | N / 10 cm |
| Cable Diameter, approx. | 10.5 - 11.5 | 12.5 - 13.5 | mm |
| Cable Weight, approx. | 110 - 130 | 140 - 160 | kg / km |
| Min. Bending Radius, Installation / Operation | 20x / 10x | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | -40°C to +75°C | |

PART NUMBER : ARMORED, MULTI-TUBE SINGLE

| Description | 24 Core | 48 Core | 60 Core | 72 Core | 96 Core |
|-----------------------------------|----------|----------|----------|----------|----------|
| Singlemode, 9/125 μ m, OS2 | UFC9624M | UFC9648M | UFC9660M | UFC9672M | UFC9696M |
| Multimode, 62.5/125 μ m, OM1 | UFC6624M | UFC6648M | UFC6660M | UFC6672M | UFC6672M |
| Multimode, 50/125 μ m, OM2 | UFC5624M | UFC5648M | UFC5660M | UFC5672M | UFC5672M |
| XG Multimode, 50/125 μ m, OM3 | UFC4624M | UFC4648M | UFC4660M | UFC4672M | UFC4672M |
| Multimode, 50/125 μ m, OM4 | UFC3624M | UFC3648M | UFC3660M | UFC3672M | UFC3672M |

Remark : For ARMORED, MULTI-TUBE DOUBLE JACKET add MD on Part Number eg. UFCX6XXMD

DESCRIPTION / APPLICATION

- LINK Outdoor/Indoor, Dropwire fiber optic cable special design used for campus backbone (inter-building), building backbone (intra-building), together with outdoor and indoor installation
- Small diameter and lightweight
- Designed for aerial installation with messenger drop wire
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet, Gigabit Ethernet and 10G Ethernet) ATM, FDDI, Fiber Channel CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 696
- Telcordia(Bellcore)GR-20-CORE,GR-409-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002, ISO/IEC 11801:2011(Ed.2.2)
- IEC 60332-1, IEC60332-3
- IEC 61034-2, IEC60754-2
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2166-2548
- RoHS Compliant



OUTDOOR/INDOOR, DROP WIRE
UFCX5XXOI

FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- E-glass yarns provide for strength member
- Water blocking tape provide for double protection and safety for outdoor environment
- Ripcord is easy to strip
- UV-resistant, Flame-retardant black PE with LSZH (Low Smoked Zero Halogen) outer jacket
- Messenger wire provide by 1.6 mm. galvanize steel wire

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| | 9/125 μ m (OS2) | 62.5/125 μ m (OM1) | 50/125 μ m (OM2) | 50/125 μ m (OM3) | 50/125 μ m (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 \pm 0.01 | 0.275 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 |

MECHANICAL PROPERTIES

| | UFCX5XXOI | |
|---|----------------|----------------|
| Max. Tensile Load, Installation / Operation | 1,600 / 600 | N |
| Max. Span Length | 50 | m |
| Max. Crush Resistance | 2,200 | N / 10 cm |
| Cable Diameter, approx. | 9.4 \pm 0.5 | mm |
| Overall Diameter, approx. | 15 \pm 1.0 | mm |
| Cable Weight, approx. | 125 \pm 10 | kg / km |
| Min. Bending Radius, Installation / Operation | 15x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | |

PART NUMBER : OUTDOOR/INDOOR, DROP WIRE, FR-LSZH

| Description | 4 Core | 6 Core | 8 Core | 12 Core |
|-----------------------------------|-----------|-----------|-----------|-----------|
| Singlemode, 9/125 μ m, OS2 | UFC9504OI | UFC9506OI | UFC9508OI | UFC9512OI |
| Multimode, 62.5/125 μ m, OM1 | UFC6504OI | UFC6506OI | UFC6508OI | UFC6512OI |
| Multimode, 50/125 μ m, OM2 | UFC5504OI | UFC5506OI | UFC5508OI | UFC5512OI |
| XG Multimode, 50/125 μ m, OM3 | UFC4504OI | UFC4506OI | UFC4508OI | UFC4512OI |
| Multimode, 50/125 μ m, OM4 | UFC3504OI | UFC3506OI | UFC3508OI | UFC3512OI |

OUTDOOR, CTV STRANDED DROP WIRE, ARMORED

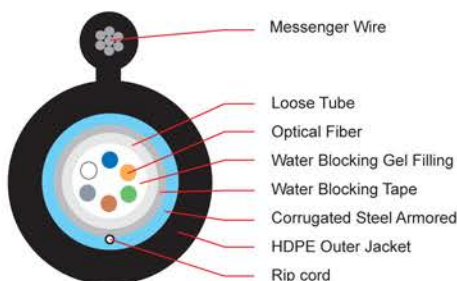


DESCRIPTION / APPLICATION

- LINK Outdoor, CTV Stranded Drop Wire, fiber optic cable special design used for campus backbone (inter-building) metro/access network and outdoor installation
- Small diameter and lightweight
- Designed for aerial installation with stranded messenger wire
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel, CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002
- ISO/IEC 11801:2011(Ed.2.2)
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2166-2548
- RoHS Compliant



Outdoor, Stranded Drop Wire, Armored
UFCX5XXDSA

FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- Water blocking tape provide for double protection and safety for outdoor environment
- Corrugated steel tape coat with polymer provides rodent protection
- Messenger wire provide by 7 x 0.53 mm.(1.6 mm.) stranded galvanize steel wire for tensile strength
- UV-resistant, black HDPE outer jacket

OPTICAL PREFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|--------------------------|--------------------|--------------------|--------------------|
| | 9/125 μm (OS2) | 62.5/125 μm (OM1) | 50/125 μm (OM2) | 50/125 μm (OM3) | 50/125 μm (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 ± 0.01 | 0.275 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 |

MECHANICAL PROPERTIES

UFCX5XXDSA

| | | |
|---|----------------|----------------|
| Max. Tensile Load, Installation / Operation | 1,500 / 800 | N |
| Max. Span Length | 50 | m |
| Max. Crush Resistance | 4,400 | N / 10 cm |
| Cable Diameter, approx. | 8.2 ± 0.2 | mm |
| Overall Diameter, approx. | 13.8 ± 0.5 | mm |
| Cable Weight, approx. | 90 ± 10 | kg / km |
| Min. Bending Radius, Installation / Operation | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | |

PART NUMBER : OUTDOOR, CTV STRANDED DROP WIRE, ARMORED

| Description | 4 Core | 6 Core | 8 Core | 12 Core |
|------------------------------|------------|------------|------------|------------|
| Singlemode, 9/125 μm, OS2 | UFC9504DSA | UFC9506DSA | UFC9508DSA | UFC9512DSA |
| Multimode, 62.5/125 μm, OM1 | UFC6504DSA | UFC6506DSA | UFC6508DSA | UFC6512DSA |
| Multimode, 50/125 μm, OM2 | UFC5504DSA | UFC5506DSA | UFC5508DSA | UFC5512DSA |
| XG Multimode, 50/125 μm, OM3 | UFC4504DSA | UFC4506DSA | UFC4508DSA | UFC4512DSA |
| Multimode, 50/125 μm, OM4 | UFC3504DSA | UFC3506DSA | UFC3508DSA | UFC3512DSA |

OUTDOOR, CTV STRANDED DROP WIRE, ARMORED, POWER WIRE

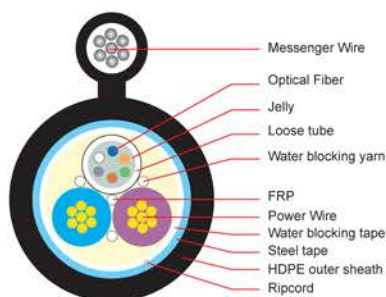


DESCRIPTION / APPLICATION

- LINK Outdoor, CTV Stranded, Armored, Power wire, fiber optic cable special design used for campus backbone (inter-building) building backbone (intra-building), indoor and outdoor installation
- Small diameter and lightweight design to save space inside duct
- Designed for aerial installation with stranded messenger wire
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002
- ISO/IEC 11801:2011(Ed.2.2)
- IEC 60793, IEC60794-1-2
- EN 50173-1
- RoHS Compliant



Stranded Drop Wire, Power Wire
UFCX5XXDSW

FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- Water blocking tape provide for double protection and safety for outdoor environment
- Corrugated steel tape coat with polymer provides rodent protection
- Power wire support ac & dc
- Messenger wire provide by 7 x 0.53 mm.(1.6 mm.) stranded galvanize steel wire for tensile strength
- UV-resistant, black HDPE outer jacket

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|--------------------------|--------------------|--------------------|--------------------|
| | 9/125 μm (OS2) | 62.5/125 μm (OM1) | 50/125 μm (OM2) | 50/125 μm (OM3) | 50/125 μm (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 ± 0.01 | 0.275 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 |

MECHANICAL PROPERTIES

UFCX5XXDSW

4 - 12 Core

| | | |
|---|----------------|-----------------|
| Max. Tensile Load, Installation / Operation | 1,800 / 800 | N |
| Max. Span Length | 50 | m |
| Max. Crush Resistance | 3,400 | N / 10 cm |
| Conductor cross-sectional area | 2.5 | mm ² |
| Cable Diameter, approx. | 8.2 ± 0.2 | mm |
| Overall Diameter, approx. | 13.8 ± 0.5 | mm |
| Cable Weight, approx. | 90 ± 10 | kg / km |
| Min. Bending Radius, Installation / Operation | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | |

PART NUMBER : OUTDOOR, CTV STRANDED DROP WIRE, ARMORED, POWER WIRE

| Description | 4 Core | 6 Core | 8 Core | 12 Core |
|------------------------------|------------|------------|------------|------------|
| Singlemode, 9/125 μm, OS2 | UFC9504DSW | UFC9506DSW | UFC9508DSW | UFC9512DSW |
| Multimode, 62.5/125 μm, OM1 | UFC6504DSW | UFC6506DSW | UFC6508DSW | UFC6512DSW |
| Multimode, 50/125 μm, OM2 | UFC5504DSW | UFC5506DSW | UFC5508DSW | UFC5512DSW |
| XG Multimode, 50/125 μm, OM3 | UFC4504DSW | UFC4506DSW | UFC4508DSW | UFC4512DSW |
| Multimode, 50/125 μm, OM4 | UFC3504DSW | UFC3506DSW | UFC3508DSW | UFC3512DSW |

CTV STRANDED or SOLID DROP WIRE 3-TUBE, ARMORED

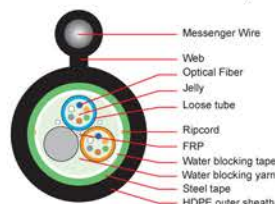


DESCRIPTION / APPLICATION

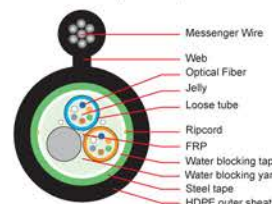
- LINK Outdoor, CTV Stranded or Solid Messenger, fiber optic cable special design used for campus backbone (inter-building) building backbone (intra-building), indoor and outdoor installation
- Small diameter and lightweight design to save space inside duct
- Designed for aerial installation with stranded messenger wire
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002, ISO/IEC 11801:2011(Ed.2.2)
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2165-2548
- RoHS Compliant



CTV SOLID DROP WIRE, 3 Tube, Armored
UFCX5XXMDA



CTV STRANDED DROP WIRE, 3 Tube, Armored
UFCX5XXMDSA



FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- Water blocking tape provide for double protection and safety for outdoor environment
- Ripcord is easy to strip
- Corrugated steel tape coat with polymer provides rodent protection
- Messenger wire provide by 7 x 0.53 mm. (1.6 mm.) stranded galvanize steel wire or (1.6 mm.) solid galvanize steel wire for tensile strength
- UV-resistant, black HDPE outer jacket

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|--------------------------|--------------------|--------------------|--------------------|
| | 9/125 μm (OS2) | 62.5/125 μm (OM1) | 50/125 μm (OM2) | 50/125 μm (OM3) | 50/125 μm (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 ± 0.01 | 0.275 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 |

MECHANICAL PROPERTIES

| | UFCX5XXMDA 4 - 12 Core | UFCX5XXMDSA 4 - 12 Core | |
|---|---------------------------|----------------------------|----------------|
| Max. Tensile Load, Installation / Operation | 1,800 / 800 | 1,800 / 800 | N |
| Max. Span Length | 50 | 50 | m |
| Max. Crush Resistance | 3,400 | 3,400 | N / 10 cm |
| Cable Diameter, approx. | 9.6 ± 0.5 | 9.6 ± 0.5 | mm |
| Overall Diameter, approx. | 14.2 ± 0.5 | 14.2 ± 0.5 | mm |
| Cable Weight, approx. | 106 ± 10 | 106 ± 10 | kg / km |
| Min. Bending Radius, Installation / Operation | 20x / 10x | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | -40°C to +75°C | |

PART NUMBER : CTV SOLID DROP WIRE 3-TUBE, ARMORED

| Description | 4 Core | 6 Core | 8 Core | 12 Core |
|------------------------------|------------|------------|------------|------------|
| Singlemode, 9/125 μm, OS2 | UFC9504MDA | UFC9506MDA | UFC9508MDA | UFC9512MDA |
| Multimode, 62.5/125 μm, OM1 | UFC6504MDA | UFC6506MDA | UFC6508MDA | UFC6512MDA |
| Multimode, 50/125 μm, OM2 | UFC5504MDA | UFC5506MDA | UFC5508MDA | UFC5512MDA |
| XG Multimode, 50/125 μm, OM3 | UFC4504MDA | UFC4506MDA | UFC4508MDA | UFC4512MDA |
| Multimode, 50/125 μm, OM4 | UFC3504MDA | UFC3506MDA | UFC3508MDA | UFC3512MDA |

Remark : For CTV STRANDED DROP WIRE 3-TUBE, ARMORED, add **MDSA** on Part Number eg. UFCX5XXMDSA

DESCRIPTION / APPLICATION

- LINK Outdoor, CTV FIG.8, fiber optic cable special design used for campus backbone (inter-building) metro/access network and outdoor installation
- Small diameter and lightweight
- Designed for aerial installation with stranded messenger wire
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel, CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002
- ISO/IEC 11801:2011(Ed.2.2)
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2166-2548
- RoHS Compliant



FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- E-glass yarns or aramid yarns provide for strength member (for UFCX8XX)
- Water blocking tape provide for double protection and safety for outdoor environment
- Corrugated steel tape coat with polymer provides rodent protection (for UFCX8XXA)
- Messenger wire provide by 7 x 1.0 mm. stranded galvanize steel wire for tensile strength
- UV-resistant, black HDPE outer jacket

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| | 9/125 μ m (OS2) | 62.5/125 μ m (OM1) | 50/125 μ m (OM2) | 50/125 μ m (OM3) | 50/125 μ m (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 \pm 0.01 | 0.275 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 |

MECHANICAL PROPERTIES

| | UFCX8XX | UFCX8XXA | |
|---|----------------|----------------|----------------|
| Max. Tensile Load, Installation / Operation | 6,000 / 3,000 | 6,000 / 3,000 | N |
| Max. Span Length | 60 | 60 | m |
| Max. Crush Resistance | 2,200 | 4,400 | N / 10 cm |
| Cable Diameter, approx. | 8.4 \pm 0.2 | 8.6 \pm 0.2 | mm |
| Overall Diameter, approx. | 15 \pm 0.5 | 16 \pm 0.5 | mm |
| Cable Weight, approx. | 110 \pm 10 | 122 \pm 10 | kg / km |
| Min. Bending Radius, Installation / Operation | 20x / 10x | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | -40°C to +75°C | |

PART NUMBER : OUTDOOR, CTV FIG.8, OUTDOOR

| Description | 4 Core | 6 Core | 8 Core | 12 Core |
|-----------------------------------|---------|---------|---------|---------|
| Singlemode, 9/125 μ m, OS2 | UFC9804 | UFC9806 | UFC9808 | UFC9812 |
| Multimode, 62.5/125 μ m, OM1 | UFC6804 | UFC6806 | UFC6808 | UFC6812 |
| Multimode, 50/125 μ m, OM2 | UFC5804 | UFC5806 | UFC5808 | UFC5812 |
| XG Multimode, 50/125 μ m, OM3 | UFC4804 | UFC4806 | UFC4808 | UFC4812 |
| Multimode, 50/125 μ m, OM4 | UFC3804 | UFC3806 | UFC3808 | UFC3812 |

Remark : For OUTDOOR, CTV FIG.8 / ARMORED, add **A** on Part Number eg. UFCX8XXA

FIG.8, OUTDOOR / MULTI-TUBE



DESCRIPTION / APPLICATION

- LINK Fig. 8, outdoor/multi-tube, fiber optic cable special design used for campus backbone (inter- building), metro/access network and outdoor installation
- High tensile strength and longer span distance
- Designed for aerial installation with stranded suspension wire
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel, CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002
- ISO/IEC 11801:2011(Ed.2.2)
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2166-2548
- RoHS Compliant

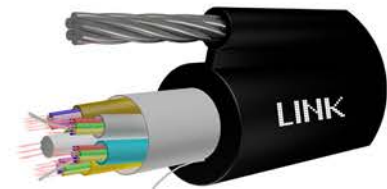
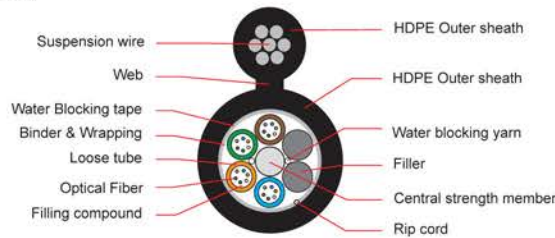


Fig.8, Multi-Tube
UFCX8XXM

FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- FRP central strength member provide for tensile strength (or High strength steel wire available on Request)
- Water blocking yarns & tape provide for double protection and safety for outdoor environment
- Ripcord is easy to strip
- Suspension wire provide by 7 x 1.2 mm. stranded galvanize steel wire for tensile strength
- UV-resistant, black HDPE outer jacket, Up to 144 core

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|--------------------------|--------------------|--------------------|--------------------|
| | 9/125 μm (OS2) | 62.5/125 μm (OM1) | 50/125 μm (OM2) | 50/125 μm (OM3) | 50/125 μm (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 ± 0.01 | 0.275 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 |

MECHANICAL PROPERTIES

| | | |
|---|--|----------------|
| | UFCX8XXM 24 - 72 Core | |
| Max. Tensile Load, Installation / Operation | 7,000 / 4,000 | N |
| Max. Span Length | 80 | m |
| Max. Crush Resistance | 2,200 | N / 10 cm |
| Cable Diameter, approx. | 9.8 - 10.8 | mm |
| Overall Diameter, approx. | 18.7 - 19.7 | mm |
| Cable Weight, approx. | 165 - 185 | kg / km |
| Min. Bending Radius, Installation / Operation | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to + 70°C | |
| Storage / Shipping Temperature | -40°C to + 75°C | |

PART NUMBER : FIG.8, OUTDOOR / MULTI-TUBE

| Description | 24 Core | 48 Core | 60 Core | 72 Core |
|------------------------------|----------|----------|----------|----------|
| Singlemode, 9/125 μm, OS2 | UFC9824M | UFC9848M | UFC9860M | UFC9872M |
| Multimode, 50/125 μm, OM2 | UFC5824M | UFC5848M | UFC5860M | UFC5872M |
| XG Multimode, 50/125 μm, OM3 | UFC4824M | UFC4848M | UFC4860M | UFC4872M |
| Multimode, 50/125 μm, OM4 | UFC3824M | UFC3848M | UFC3860M | UFC3872M |

FIG.8, OUTDOOR, MULTI-TUBE, ARMORED SINGLE or DOUBLE JACKET



DESCRIPTION / APPLICATION

- LINK Fig. 8, outdoor/multi-tube, fiber optic cable special design used for campus backbone (inter- building), metro/access network and outdoor installation
- High tensile strength and longer span distance
- Designed for aerial installation with stranded suspension wire
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel, CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002
- ISO/IEC 11801:2011(Ed.2.2)
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2166-2548
- RoHS Compliant

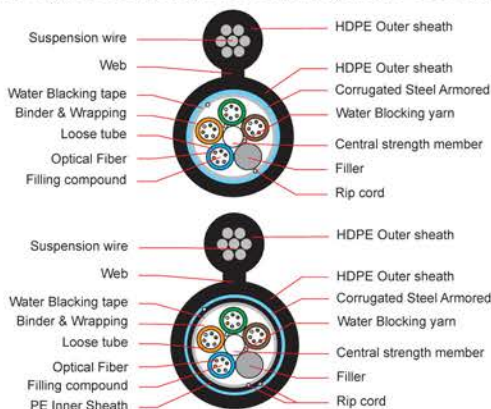


Fig.8, Multi-Tube, Armored UFCX8XXMA

Fig.8, Multi-Tube, Armored UFCX8XXMAD

FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- High strength steel wire central strength member provide for tensile strength (FRP available on Request)
- Water blocking yarns & tape provide for double protection and safety for outdoor environment
- Corrugated steel tape coat with polymer provides rodent protection
- Ripcord is easy to strip
- Black MDPE inner jacket (for UFCX8XXMAD)
- Suspension wire provide by 7 x 1.2 mm. stranded galvanize steel wire for tensile strength
- UV-resistant, black HDPE outer jacket, Up to 144 core

OPTICAL PREFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|--------------------------|--------------------|--------------------|--------------------|
| | 9/125 μm (OS2) | 62.5/125 μm (OM1) | 50/125 μm (OM2) | 50/125 μm (OM3) | 50/125 μm (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 ± 0.01 | 0.275 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 |

MECHANICAL PROPERTIES

| | UFCX8XXMA 24 - 60 Core | UFCX8XXMAD 24 - 60 Core | |
|---|---------------------------|----------------------------|----------------|
| Max. Tensile Load, Installation / Operation | 7,000 / 4,000 | 7,000 / 4,000 | N |
| Max. Span Length | 80 | 80 | m |
| Max. Crush Resistance | 4,400 | 4,400 | N / 10 cm |
| Cable Diameter, approx. | 9.7 - 10.8 | 12.5 - 13.6 | mm |
| Overall Diameter, approx. | 17.3 - 18.4 | 20.7 - 21.8 | mm |
| Cable Weight, approx. | 151 - 170 | 242 - 273 | kg / km |
| Min. Bending Radius, Installation / Operation | 20x / 10x | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to + 70°C | -40°C to + 70°C | |
| Storage / Shipping Temperature | -40°C to + 75°C | -40°C to + 75°C | |

PART NUMBER : FIG.8, OUTDOOR, MULTI-TUBE, ARMORED SINGLE JACKET

| Description | 24 Core | 48 Core | 60 Core | 72 Core |
|------------------------------|-----------|-----------|-----------|-----------|
| Singlemode, 9/125 μm, OS2 | UFC9824MA | UFC9848MA | UFC9860MA | UFC9872MA |
| Multimode, 50/125 μm, OM2 | UFC5824MA | UFC5848MA | UFC5860MA | UFC5872MA |
| XG Multimode, 50/125 μm, OM3 | UFC4824MA | UFC4848MA | UFC4860MA | UFC4872MA |
| Multimode, 50/125 μm, OM4 | UFC3824MA | UFC3848MA | UFC3860MA | UFC3872MA |

Remark : For FIG.8, OUTDOOR, MULTI-TUBE, ARMORED DOUBLE JACKET, add **MAD** on Part Number eg. UFCX8XXMAD

ADSS, OUTDOOR / MULTI-TUBE SINGLE or DOUBLE JACKET

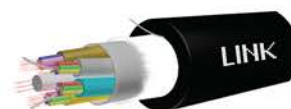
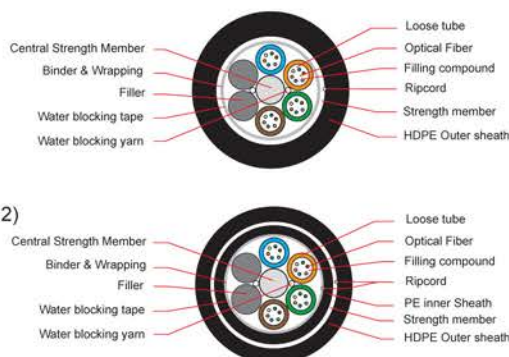


DESCRIPTION / APPLICATION

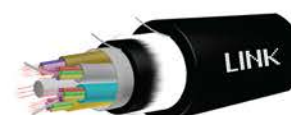
- LINK ADSS (All-Dielectric Self Support), outdoor/multi-tube, fiber optic cable special design used for campus backbone (inter-building), metro/access network and outdoor installation
- Small diameter and lightweight
- Designed for duct and aerial installation
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel, CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- IEEE P-1222
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002, ISO/IEC 11801:2011(Ed.2.2)
- IEC 60793, IEC60794-1-2
- EN 50173-1, EN 187000
- TIS 2166-2548
- RoHS Compliant



ADSS Single Jacket
UFCX7XXM



ADSS Double Jacket
UFCX7XXMD

FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- FRP central strength member provide for tensile strength
- Water blocking yarns & tape provide for double protection and safety for outdoor environment
- Aramid yarns provide strength member
- Ripcord is easy to strip
- Inner jacket black MDPE (for UFCX7XXMD)
- Outer jacket UV-resistant, black HDPE
- Up to 144 core

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| | 9/125 μ m (OS2) | 62.5/125 μ m (OM1) | 50/125 μ m (OM2) | 50/125 μ m (OM3) | 50/125 μ m (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 \pm 0.01 | 0.275 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 |

MECHANICAL PROPERTIES

| | UFCX7XXM 24 - 72 Core | UFCX7XXMD 24 - 72 Core | |
|---|--------------------------|---------------------------|----------------|
| Max. Tensile Load, Installation / Operation | 3,600 / 1,800 | 5,000 / 2,500 | N |
| Max. Span Length | 80 | 80 | m |
| Max. Crush Resistance | 2,200 | 2,200 | N / 10 cm |
| Cable Diameter, approx. | 10.5 - 11.5 | 12.0 - 13.0 | mm |
| Cable Weight, approx. | 80 - 100 | 110 - 130 | kg / km |
| Min. Bending Radius, Installation / Operation | 20x / 10x | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to + 70°C | -40°C to + 70°C | |
| Storage / Shipping Temperature | -40°C to + 75°C | -40°C to + 75°C | |

PART NUMBER : ADSS, OUTDOOR / MULTI-TUBE, SINGLE JACKET

| Description | 24 Core | 48 Core | 60 Core | 72 Core |
|-----------------------------------|----------|----------|----------|----------|
| Singlemode, 9/125 μ m, OS2 | UFC9724M | UFC9748M | UFC9760M | UFC9772M |
| Multimode, 50/125 μ m, OM2 | UFC5724M | UFC5748M | UFC5760M | UFC5772M |
| XG Multimode, 50/125 μ m, OM3 | UFC4724M | UFC4748M | UFC4760M | UFC4772M |
| Multimode, 50/125 μ m, OM4 | UFC3724M | UFC3748M | UFC3760M | UFC3772M |

Remark : For ADSS, OUTDOOR / MULTI-TUBE, DOUBLE JACKET, add MD on Part Number eg. UFCX7XXMD

OUTDOOR, 2 STEEL WIRE, ARMORED

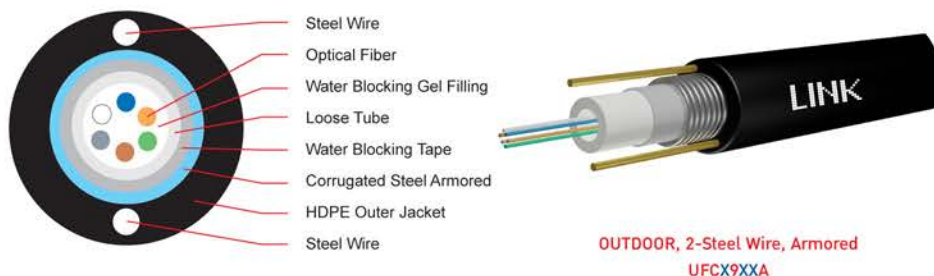


DESCRIPTION / APPLICATION

- LINK Outdoor, 2 Steel Wire, Armored, fiber optic cable special design used for campus backbone (inter- building) building backbone (intra-building), indoor and outdoor installation
- Small diameter and lightweight design to save space inside duct
- Designed for direct burial, duct and lash-aerial installation
- Support IEEE802.3 (LAN, Ethernet, Fast Ethernet Gigabit Ethernet and 10G Ethernet) ATM, FDDI Fiber Channel, CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 640
- Telcordia(Bellcore)GR-20-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801:2002
- ISO/IEC 11801:2011(Ed.2.2)
- IEC 60793, IEC60794-1-2
- EN 50173-1, TIS 2165-2548
- RoHS Compliant



FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- PBT Loose tube design provides high strength and low shrinkage with thixotropic jelly filled loose tube for water penetration protection
- Water blocking tape provide for double protection and safety for outdoor environment
- Corrugated steel tape coat with polymer provides rodent protection
- 2 Steel wire provide by 1.2 mm. galvanize steel wire for tensile strength
- UV-resistant, black HDPE outer jacket

OPTICAL PREFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| | 9/125 μ m (OS2) | 62.5/125 μ m (OM1) | 50/125 μ m (OM2) | 50/125 μ m (OM3) | 50/125 μ m (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aparture | 0.13 \pm 0.01 | 0.275 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 |

MECHANICAL PROPERTIES

| | | |
|---|----------------|----------------|
| Max. Tensile Load, Installation / Operation | 3,000 / 1,500 | N |
| Max. Crush Resistance | 4,400 | N / 10 cm |
| Cable Diameter, approx. | 10.0 \pm 0.5 | mm |
| Cable Weight, approx. | 105 \pm 10 | kg / km |
| Min. Bending Radius, Installation / Operation | 20x / 10x | Cable Diameter |
| Installation / Operation Temperature | -40°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | |

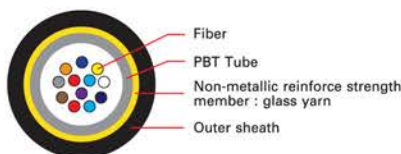
PART NUMBER : OUTDOOR, 2 STEEL WIRE, ARMORED

| Description | 4 Core | 6 Core | 8 Core | 12 Core |
|-----------------------------------|----------|----------|----------|----------|
| Singlemode, 9/125 μ m, OS2 | UFC9904A | UFC9906A | UFC9908A | UFC9912A |
| Multimode, 62.5/125 μ m, OM1 | UFC6904A | UFC6906A | UFC6908A | UFC6912A |
| Multimode, 50/125 μ m, OM2 | UFC5904A | UFC5906A | UFC5908A | UFC5912A |
| XG Multimode, 50/125 μ m, OM3 | UFC4904A | UFC4906A | UFC4908A | UFC4912A |
| Multimode, 50/125 μ m, OM4 | UFC3904A | UFC3906A | UFC3908A | UFC3912A |

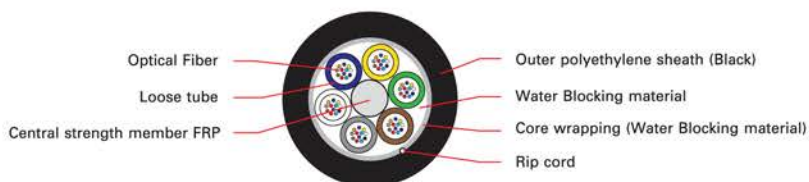
DESCRIPTION / APPLICATION

- Air blowing Micro-Optical Fiber Cable, It is typically applied in communication projects of access network, MANs, highway and high-speed railway, being installed in micro duct, or existing fiber cable ducts by blowing technology, to save pipeline resources, easy to enlarge network capacity, reduce installation cost effectively, and shorten installation period.

- Microduct
- Backbone and Access



AIR BLOW, SINGLE-TUBE
UFC99XX



AIR BLOW, MICRO DUCT MULTI-TUBE
UFC99XXM

FEATURES / CONSTRUCTION

- Suitable to be installed by air blown technology method
- Microduct installation offers more benefits to customers such as initial investment
- Can be installed as and when required to meet growing customer demand
- High density fiber cable with reduced dimension
- Extended installation lengths with less installation time
- Comply with IEC 60794-5

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|--------------------------|--------------------|--------------------|--------------------|
| | 9/125 μm (OS2) | 62.5/125 μm (OM1) | 50/125 μm (OM2) | 50/125 μm (OM3) | 50/125 μm (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 ± 0.01 | 0.275 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 |

MECHANICAL PROPERTIES

| | UFC99XX 2 - 24 Core | 12 - 48 Core | UFC99XXM 50 - 72 Core | 96 Core | |
|-----------------------------------|------------------------|-----------------|--------------------------|-----------------|----------------|
| Max. Tensile Strength Short term | 0.15G | 1.5G | 1.5G | 1.5G | N |
| Max. Tensile Strength Long term | 0.5G | 0.5G | 0.5G | 0.5G | N |
| Max. Crush Resistance | 150 / 450 | 150 / 450 | 150 / 450 | 150 / 450 | N / 10 cm |
| Cable Diameter, approx. | 4.3 | 5.8 | 6 | 6.4 | mm |
| Cable Weight, approx. | 18 | 30 | 38 | 42 | kg / km |
| Bending Radius : Static / Dynamic | > 15*D / > 20*D | > 15*D / > 20*D | > 15*D / > 20*D | > 15*D / > 20*D | Cable Diameter |
| Operation / Storage Temperature | -40°C to + 70°C | -40°C to + 70°C | -40°C to + 70°C | -40°C to + 70°C | |
| Installation Temperature | -20°C to + 50°C | -20°C to + 50°C | -20°C to + 50°C | -20°C to + 50°C | |

PART NUMBER : AIR BLOW, MICRO FIBER

| Description | 4 Core | | 12 Core | | 24 Core | | | |
|--|----------|--|----------|--|----------|--|----------|--|
| F.O. Air Blow, Single-Tube, OS2 | UFC9904 | | UFC9912 | | UFC9924 | | | |
| Description | 24 Core | | 48 Core | | 60 Core | | 72 Core | |
| F.O. Air Blow, Micro Duct, Multi-Tube, OS2 | UFC9924M | | UFC9948M | | UFC9960M | | UFC9972M | |

INDOOR DISTRIBUTION

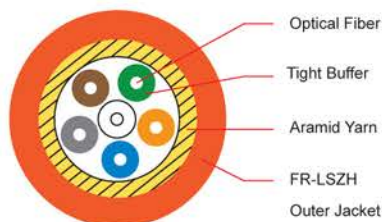


DESCRIPTION / APPLICATION

- LINK distribution fiber optic cables are designed for indoor communication. These cables are designed to save conduit space and ideal for moderate distance trunking applications. Small size and high strength are features of these cable.
- Application support IEEE802.3 (LAN, Ethernet Fast Ethernet, Gigabit Ethernet and 10G Ethernet) ATM, FDDI, Fiber Channel, CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 596
- Telcordia(Bellcore)GR-409-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801 : 2002
- ISO/IEC 11801 : 2011 (Ed.2.2)
- IEC 60332-1, IEC 60332-3
- IEC 61034-2, IEC 605754-2
- IEC 60793, IEC60794-1-2
- EN 50173-1
- RoHS Compliant



INDOOR DISTRIBUTION
UFCX2XX

FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- 900 μ m tight buffer easy to strip and terminated for direct connectorization with all common connector types
- Aramid yarns provide for strength member
- Flame-retardant with LSZH (Low Smoked Zero Halogen) outer jacket

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|---------------------------|-------------------------|-------------------------|-------------------------|
| | 9/125 μ m (OS2) | 62.5/125 μ m (OM1) | 50/125 μ m (OM2) | 50/125 μ m (OM3) | 50/125 μ m (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 \pm 0.01 | 0.275 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 | 0.200 \pm 0.015 |

MECHANICAL PROPERTIES

| | | |
|---|----------------|----------------|
| Max. Tensile Load, Installation | 660 / 900 | N |
| Max. Tensile Load, Operation | 220 / 300 | N |
| Cable Diameter, approx. | 4.8 - 6.8 | mm |
| Cable Weight, approx. | 21 - 42 | kg / km |
| Min. Bending Radius, Installation / Operation | 15x / 10x | Cable Diameter |
| Installation / Operation Temperature | -20°C to +80°C | |
| Storage / Shipping Temperature | -40°C to +85°C | |

UFCX2XX

4 - 12 Core

PART NUMBER : INDOOR DISTRIBUTION

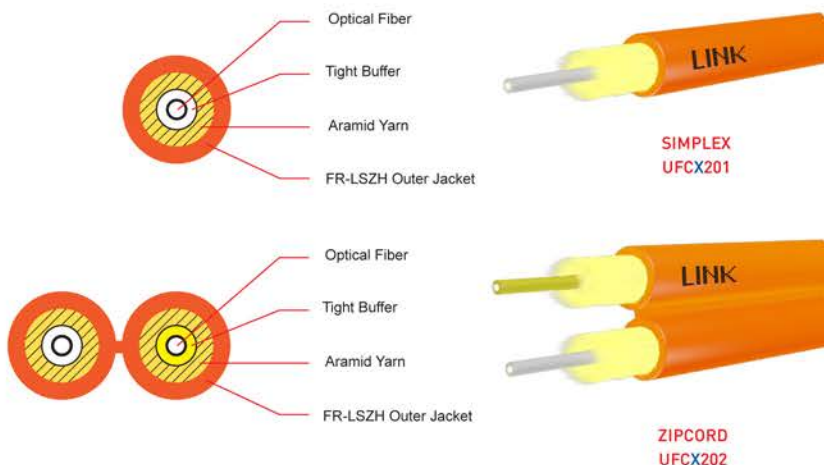
| Description | 4 Core | 6 Core | 8 Core | 12 Core |
|-----------------------------------|-------------|-------------|-------------|-------------|
| Singlemode, 9/125 μ m, OS2 | UFC9204LSZH | UFC9206LSZH | UFC9208LSZH | UFC9212LSZH |
| Multimode, 62.5/125 μ m, OM1 | UFC6204LSZH | UFC6206LSZH | UFC6208LSZH | UFC6212LSZH |
| Multimode, 50/125 μ m, OM2 | UFC5204LSZH | UFC5206LSZH | UFC5208LSZH | UFC5212LSZH |
| XG Multimode, 50/125 μ m, OM3 | UFC4204 | UFC4206 | UFC4208 | UFC4212 |
| Multimode, 50/125 μ m, OM4 | UFC3204 | UFC3206 | UFC3208 | UFC3212 |

DESCRIPTION / APPLICATION

- LINK simplex and zipcord fiber optic cables are designed for indoor communication. These cables are designed to pigtail and patch cord applications.
- Small size and high strength are features of these cable.
- Application support IEEE802.3 (LAN, Ethernet Fast Ethernet, Gigabit Ethernet and 10G Ethernet) ATM, FDDI, Fiber Channel, CATV, CCTV, FTTX or other

STANDARDS

- ANSI/TIA/EIA-568-B.3, ANSI/TIA-568-C.3
- ANSI/ICEA 596
- Telcordia(Bellcore)GR-409-CORE
- ITU-T G.651 (Multimode)
- ITU-T G.652D (Singlemode)
- ISO/IEC 11801 : 2002
- ISO/IEC 11801 : 2011 (Ed.2.2)
- IEC 60332-1, IEC 60332-3
- IEC 61034-2, IEC 605754-2
- IEC 60793, IEC60794-1-2
- EN 50173-1
- RoHS Compliant



FEATURES / CONSTRUCTION

- High performance multimode (OM1, OM2, OM3 and OM4) and singlemode (OS2 or G.652D) fiber optic cable
- Fiber colors identification comply to TIA/EIA-598-C and EIA-359-A
- 900 µm tight buffer easy to strip and terminated for direct connectorization with all common connector types
- Aramid yarns provide for strength member
- Flame-retardant with LSZH (Low Smoked Zero Halogen) outer jacket
- Available jacket 3.0 mm. and 2.0 mm

OPTICAL PERFORMANCES

| Optical Transmission Performance | Singlemode 1310/1383/1550/1625 nm | Multimode 850/1300 nm | | | |
|----------------------------------|--------------------------------------|--------------------------|--------------------|--------------------|--------------------|
| | 9/125 µm (OS2) | 62.5/125 µm (OM1) | 50/125 µm (OM2) | 50/125 µm (OM3) | 50/125 µm (OM4) |
| Max. Attenuation (dB/km) | 0.35 / 0.35 / 0.20 / 0.23 | 3.0 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 | 2.7 / 0.8 |
| Typ. Attenuation (dB/km) | 0.33 / 0.31 / 0.19 / 0.20 | 2.7 / 0.6 | 2.5 / 0.7 | 2.3 / 0.6 | 2.3 / 0.6 |
| Bandwidth (MHz/km) | N / A | 200 / 600 | 500 / 500 | 1500 / 500 | 3500 / 500 |
| 850 nm Laser bandwidth (MHz/km) | N / A | N / A | N / A | 2000 | 4700 |
| Numerical Aperture | 0.13 ± 0.01 | 0.275 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 | 0.200 ± 0.015 |

MECHANICAL PROPERTIES

| | SIMPLEX | ZIPCORD | |
|--|-----------------------|-----------------------|---------|
| Maximum Tensile Load, Installation / Operation | 400 / 200 | 400 / 200 | N |
| Cable Diameter, Jacket 3 mm. / Jacket 2 mm., approx. | 2.9 ± 0.1 / 2.0 ± 0.1 | 2.9 ± 0.1 / 2.0 ± 0.1 | mm |
| Cable Weight, Jacket 3 mm. / Jacket 2 mm., approx. | 9 / 5 | 17 / 9 | kg / km |
| Minimum Bending Radius, Installation / Operation | 15x / 10x | 15x / 10x | mm |
| Installation / Operation Temperature | -20°C to +70°C | -20°C to +70°C | |
| Storage / Shipping Temperature | -40°C to +75°C | -40°C to +75°C | |

PART NUMBER : INDOOR SIMPLEX & ZIPCORD

| Description | Simplex | | Duplex (zipcord) | |
|------------------------------|----------------|----------------|------------------|----------------|
| | 3.0 mm. Jacket | 2.0 mm. Jacket | 3.0 mm. Jacket | 2.0 mm. Jacket |
| Singlemode, 9/125 µm, OS2 | UFC9201LSZH | UFC9201-2LSZH | UFC9202LSZH | UFC9202-2LSZH |
| Multimode, 62.5/125 µm, OM1 | UFC6201LSZH | UFC6201-2LSZH | UFC6202LSZH | UFC6202-2LSZH |
| Multimode, 50/125 µm, OM2 | UFC5201LSZH | UFC5201-2LSZH | UFC5202LSZH | UFC5202-2LSZH |
| XG Multimode, 50/125 µm, OM3 | UFC4201 | UFC4201-2 | UFC4202 | UFC4202-2 |
| Multimode, 50/125 µm, OM4 | UFC3201 | UFC3201-2 | UFC3202 | UFC3202-2 |

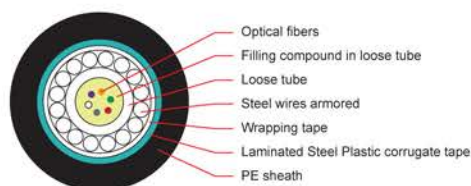
SPECIAL FIBER OPTIC CABLE



F.O. STRENGTHEN, ARMORING STEEL, SINGLE JACKET

APPLICATION / STRUCTURE

- For duct and direct buried
- For local or rural trunk lines
- Metal strength member
- Filled central tube
- Steel wire armored
- Laminated Steel-Polyethylene sheath

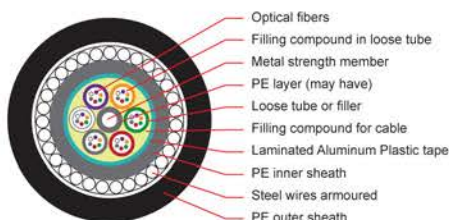


| Part Number | Description |
|-------------|--|
| UFC99XXXX | F.O. Strengthen, Armoring Steel, Single Jacket XXXX Core |

F.O. STRENGTHEN, ARMORING STEEL, DOUBLE JACKET

APPLICATION / STRUCTURE

- Direct buried on slope, laid in shallow water
- Metal strength member
- Filled & Stranded loose tube layer
- Laminated AL- Polyethylene sheath
- Single fine round steel wires armored
- PE sheathed outdoor optical cable

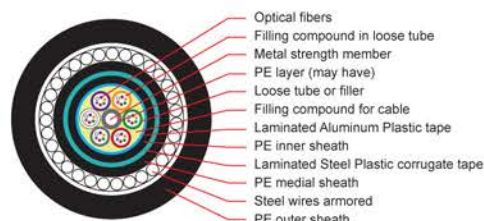


| Part Number | Description |
|-------------|--|
| UFC99XXXX | F.O. Strengthen, Armoring Steel, Double Jacket XXXX Core |

F.O. UNDER-WATER, ARMORING STEEL

APPLICATION / STRUCTURE

- Direct buried on slope, laid in shallow water
- Metal strength member
- Filled & Stranded loose tube layer
- Laminated AL- Polyethylene sheath
- Corrugated steel tape armored
- PE sheathed
- Single fine round steel wires armored
- PE sheathed outdoor optical cable



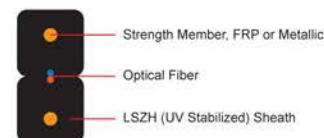
| Part Number | Description |
|-------------|--|
| UFC99XXXX | F.O. Under-Water, Armoring Steel XXXX Core |

FTTH FLAT, DISTRIBUTION CABLE LSZH, INDOOR-OUTDOOR



FEATURES / MATERIAL

- Optical Fiber can be ITU-T G.657A2 and fully compatible ITU-T G.652
- Simple structure, light weight and practical
- Two FRP strength member protects the fiber with tensile strength (for UFH932X)
- Two Metallic strength member protects the fiber with tensile strength (for UFH932XM)
- Easier to be stripped, connected, simple installation and maintenance
- Safe and environment friendly with FR-LSZH jacket



PART NUMBER

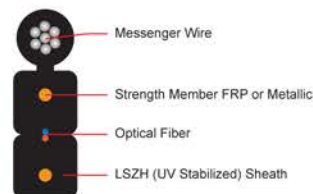
FTTH FLAT, LSZH, Indoor-Outdoor

| Description | 1 Core | 2 Core | 4 Core |
|---|----------|----------|----------|
| FTTH FLAT, DISTRIBUTION, LSZH, Indoor-Outdoor, FRP | UFH9321 | UFH9322 | UFH9324 |
| FTTH FLAT, DISTRIBUTION, LSZH, Indoor-Outdoor, Metallic | UFH9321M | UFH9322M | UFH9324M |

FTTH FLAT, STRANDED DROP CABLE, LSZH, INDOOR-OUTDOOR

FEATURES / MATERIAL

- Optical Fiber can be ITU-T G.657A2 and fully compatible ITU-T G.652
- Simple structure, light weight and practical
- Two FRP strength member protects the fiber with tensile strength (for UFH952X)
- Two Metallic strength member protects the fiber with tensile strength (for UFH932XM)
- With stranded messenger wire 7 x 0.4 mm (1.2mm.)
- Easier to be stripped, connected, simple installation and maintenance
- Safe and environment friendly with FR-LSZH jacket



PART NUMBER

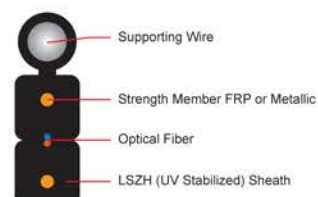
FTTH FLAT Stranded Drop Cable, LSZH, Indoor-Outdoor

| Description | 1 Core | 2 Core | 4 Core |
|---|----------|----------|----------|
| FTTH FLAT, Stranded Drop Cable LSZH, Indoor-Outdoor, FRP | UFH9521 | UFH9522 | UFH9524 |
| FTTH FLAT, Stranded Drop Cable LSZH, Indoor-Outdoor, Metallic | UFH9521M | UFH9522M | UFH9524M |

FTTH FLAT, Solid DROP CABLE, LSZH, INDOOR-OUTDOOR

FEATURES / MATERIAL

- Optical Fiber can be ITU-T G.657A2 and fully compatible ITU-T G.652
- Simple structure, light weight and practical
- Two FRP strength member protects the fiber with tensile strength (for UFH952X)
- Two Metallic strength member protects the fiber with tensile strength (for UFH932XM)
- With solid messenger wire (1.2mm.)
- Easier to be stripped, connected, simple installation and maintenance
- Safe and environment friendly with FR-LSZH jacket



PART NUMBER

FTTH FLAT Solid Drop Cable, LSZH, Indoor-Outdoor

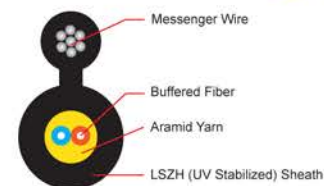
| Description | 1 Core | 2 Core | 4 Core |
|--|----------|----------|----------|
| FTTH FLAT, Solid Drop Cable LSZH, Indoor-Outdoor, FRP | UFH9511 | UFH9512 | UFH9514 |
| FTTH FLAT, Solid Drop Cable LSZH, Indoor-Outdoor, Metallic | UFH9511M | UFH9512M | UFH9514M |

FTTH ROUND, STRANDED DROP CABLE, LSZH, INDOOR-OUTDOOR



FEATURES / CONSTRUCTION

- Optical Fiber can be ITU-T G.657A2 and fully compatible ITU-T G.652
- Simple structure, light weight and practical
- 900 μ m and 600 μ m tight buffer coating Allowing easy connectorization and strippability
- Aramid Yarn reinforcement for rugged protection
- With stranded messenger wire 7 x 0.4 mm (1.2mm.)
- Easier to be stripped, connected, simple installation and maintenance
- Safe and environment friendly with FR-LSZH jacket



FTTH ROUND, STRANDED DROP CABLE

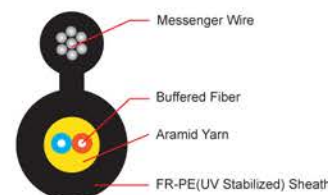
PART NUMBER

| Description | 1 Core | 2 Core | 4 Core |
|---|----------|----------|----------|
| FTTH Round, Stranded Drop Cable, LSZH, Indoor-Outdoor | UFH9501R | UFH9502R | UFH9504R |

FTTH ROUND, STRANDED DROP CABLE, FR-PE, INDOOR-OUTDOOR

FEATURES / CONSTRUCTION

- Optical Fiber can be ITU-T G.657A2 and fully compatible ITU-T G.652
- Simple structure, light weight and practical
- 900 μ m and 600 μ m tight buffer coating Allowing easy connectorization and strippability
- Aramid Yarn reinforcement for rugged protection
- With stranded messenger wire 7 x 0.4 mm (1.2mm.)
- Easier to be stripped, connected, simple installation and maintenance
- Safe and environment friendly with FR-PE jacket and TOT Approved



FTTH ROUND, STRANDED DROP CABLE

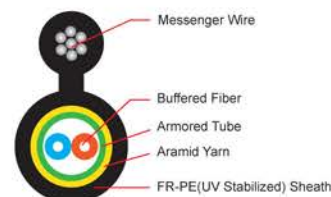
PART NUMBER

| Description | 1 Core | 2 Core | 4 Core |
|--|--------------|--------------|--------------|
| FTTH Round, Stranded Drop Cable, FR-PE, Indoor-Outdoor | UFH9501R-TOT | UFH9501R-TOT | UFH9501R-TOT |

FTTH ROUND, ARMORED, STRANDED DROP CABLE, FR-PE

FEATURES / CONSTRUCTION

- Optical Fiber can be ITU-T G.657A2 and fully compatible ITU-T G.652
- Simple structure, light weight and practical
- 900 μ m and 600 μ m tight buffer coating Allowing easy connectorization and strippability
- Aramid Yarn reinforcement for rugged protection
- Corrugated steel tape coat provides rodent protection
- With stranded messenger wire 7 x 0.4 mm (1.2mm.)
- Easier to be stripped, connected, simple installation and maintenance
- Safe and environment friendly with FR-PE jacket



FTTH ROUND, ARMORED, STRANDED DROP CABLE

PART NUMBER

| Description | 1 Core | 2 Core | 4 Core |
|---|-----------|-----------|-----------|
| FTTH Round, Armored, Stranded Drop Cable, FR-PE | UFH9501RA | UFH9502RA | UFH9504RA |

Field Assembly Connector (Fast Connector) adopts the newest fiber terminal technology, the optical and mechanical properties are all up to the standard jump cable, it provides powerful technical support for FTTH access.

FEATURES / MATERIAL

- Field installable, high reliability.
- Fiber pre-installed, no polishing required.
- Compact size, light weight.
- Suitable for drop cable and pigtail to home.



UFH3011



UFH3012

| Part Number | Description | Color |
|-------------|--|-------|
| UFH3011 | SC/UPC Field Install Connector, for Flat Cable | Blue |
| UFH3012 | SC/APC Field Install Connector, for Flat Cable | Green |
| UFH3016 | SC/UPC Field Install Connector, for Round Cable | Blue |
| UFH3017 | SC/ APC Field Install Connector, for Round Cable | Green |

FTTH SMART OUTLET

FEATURES / MATERIAL

- ABS material used ensures the body strong and light
- Easy installations : Mount on wall
- Splicing tray can be removed when needed or during the installation for the convenient operation and installation
- Double-layer design for easier installation and maintenances
 - Upper layer for splicing.
 - Lower layer for distribution.
- Without adapter
- Suitable for SC & LC adapter



UF-1014



UF-1002



UFH3022



UFH3024



UFH3026

| Part Number | Description | Dimension H x W x D(mm) | Color |
|-------------|---|----------------------------|------------|
| UF-1002 | 2 Port Duplex Home Fiber Termination Box w/o adapter, 4 Fiber, empty | 140 x 90 x 20.5 | Light Grey |
| UF-1014 | 4 Port Simplex Fiber Termination Box w/o adapter, 4 Fiber, empty | 120 x 80 x 25 | Light Grey |
| UFH3022 | FTTH Smart Housing Outlet for 2 x SC Simplex (or LC Duplex), empty | 130 x 84 x 24 | White |
| UFH3024 | FTTH Smart Housing Outlet for 1 x SC Duplex (or LC Quad), empty | 130 x 84 x 24 | White |
| UFH3026 | Mini FTTH Smart Housing Outlet for 2 x SC Simplex (or LC Duplex), empty | 85 x 85 x 25 | White |

FTTH FLAT CABLE ASSEMBLY

FEATURES / CONSTRUCTION

- It is a finished cable from factory
- Which is easily to installation
- Optical Fiber can be ITU-T G.657A2 and fully compatible ITU-T G.652
- Simple structure, light weight and practical
- Two Metallic strength member protects the fiber with tensile strength
- With solid messenger wire (1.2mm.)
- Safe and environment friendly with FR-LSZH jacket
- Available length 25, 50, 75, 100, 125, 150, 175, 200, 225, 250, 275 and 300 m.



UFH9862-XXX

| Part Number | Description |
|-------------|-------------|
|-------------|-------------|

UFH9862-XXX

FTTH Flat Cable Assembly XXX M. , LSZH SC/APC to SC/APC

XXX = length ; 050(50 m.), 100(100 m.)

FTTX PLC SPLITTER



Planar Lightwave Circuits(PLC)Optical Splitter are fully passive optical branching devices that exhibit very low intertion loss and PDL,great channel uniformity and a wide wavelength operative range.These splitter are manufactrued and testeds to Telcordia-1209-core & GR-1221-core to provide high performance,specifically designed to meet the tough requirement of FTTH,PON and CATV network.

FEATURES / CONSTRUCTION

- High uniformity
- Low insertion loss
- Compact & small size
- High reliability and stability
- Optinal input & output
- Available ratio 1 x 2, 1 x 4, 1 x 8, 1 x 16, 1 x 32 and 1 x 64



UFH81XX



UFH83XX

| Part Number | Description | Jacket Dia. |
|-------------|---|-------------|
| UFH-81XX | Blockless PLC Splitter 1 x XX SC/APC, 1 m | 0.9 mm. |
| UFH-82XX | Blockless PLC Splitter 1 x XX LC/APC, 1 m | 0.9 mm. |
| UFH-83XX | Module Type PLC Splitter 1 x XX SC/APC, 2 m | 2.0 mm. |
| UFH-84XX | Module Type PLC Splitter 1 x XX LC/APC, 2 m | 2.0 mm. |

XX = Ratio ; 02(1 x 2), 04(1 x 4), 08(1 x 8), 16(1 x 16), 32(1 x 32)

AERIAL JOINT CLOSURE & SPLITTER

FEATURES / APPLICATIONS

- The closure adopts horizontal mechanical sealing and advanced internal structure design.
- 16 pcs 2*3mm drop cable both ends in and out.
- The closure is spacious enough for winding and storing fibers
- The patented sealing structure keep good sealing performance after re-entry and re-using.
- Easy open and close of closure with snap lock
- 24 cores Fusing Splice available (Max. 48cores)
- Suitable for bunchy fibers
- Aerial, wall-mounting
- It's especially applicable to FTTH optical fiber distribution



UF-3042S



UF-3042SP

| Part Number | Description | Type |
|-------------|---|-----------|
| UF-3042S | FTTH Aerial Straight Joint Closure (Suitable with Flat & Round Cable) | Snap Lock |
| UF-3042SP | FTTH Aerial Outdoor Splitter 1x8 (Suitable with Flat & Round Cable) | Snap Lock |

F.O. TERMINAL BOX

FEATURES / CONSTRUCTION

- Two model ABS with PC and Fiber Glass material used ensures the body strong and light.
- Water-proof design for outdoor uses.
- Easy installations: Ready for wall mount – installation kits provided.
- Included SC Adapter, Pigtail, Splice Tray & Protector Sleeve.
- Space saving! Double-layer design for easier installation and maintenances:
- Cable fixing units provided for fixing the outdoor optical cable.
- Protection Level: IP55. Lock provided for extra security.



UF-4121UPC



UF-4123UPC



UF-4125UPC



UF-4225UPC

| Part Number | Description | Material | Dimension H x W x D(mm) |
|-------------|--|-------------|----------------------------|
| UF-4121UPC | Indoor/Outdoor 4 SC F.O. Plastic Terminal Box (w/4 adapter & pigtail) | ABS w/ PC | 167 x 102 x 31 |
| UF-4123UPC | Indoor/Outdoor 8 SC F.O. Plastic Terminal Box (w/8 adapter & pigtail) | ABS w/ PC | 220 x 205 x 55 |
| UF-4125UPC | Indoor/Outdoor 12 SC/UPC F.O Plastic Terminal Box (w/12 adapter & pigtail) | ABS w/ PC | 330 x 225 x 90 |
| UF-4225UPC | Outdoor 16 SC/UPC F.O Glass Fiber Terminal Box (w/16SC Adapter & Pigtail) | Fiber Glass | 375 x 285 x 100 |

DESCRIPTION / APPLICATION

- LINK Fiber Optic Distribution Unit (FDU) rack mount drawer type design with innovation technology very easily install and very flexible to use by drawer like slide shelf, rear of drawer has the area for movement the fiber cable which protect the fiber optic cable outside tray.
- Supply with cable gland, screw, cage nut and label.
- Complies with standard ANSI/TIA-568-C.3 ISO/IEC 11801:2002 and RoHS Compliant

FEATURES / MATERIAL

- Designed for all fiber optic wiring.
- Suitable for installation in 19" rack at 1U height.(23" rack Optional)
- Structures made from Electro galvanize sheet steel, very durability and lightweight.
- Drawer is bearing can be slide-out easy to install and maintain.
- Provide Light Polycarbonate Cover with label.
- Backside has space for store cable, and when the tray is slide-out, cable cannot be moved. (Copyright of LINK)
- Uses with all type of LINK fiber optic adapter snap plate e.g. ST, SC, FC, LC and E2000.
- Provide 2 set of Full Moon Cable Routing (internal management ring) to control internal wiring for direct connecting and changing to Splice Tray (SV-2256) for fusion splicing.
- UF-2012A support 6-24 fiber ports, UF-2013A support 6-36 fiber ports.
- Accessories provided in bagged.
 - 2 cable glands for UF-2012A and 4 cable glands for UF-2013A
 - 4 sets of screw with M6 cage nut and PVC cup washer
 - 4 cable ties
 - 1 label



UF-2012A

UF-2013A

| Part Number | Description | No. of Adapter Plate | Color | Dimension W X D X H (Cm) |
|-------------|---|----------------------|------------|--------------------------|
| UF-2012A | 2 SNAP- IN, F.O RACK MOUNT, DRAWER TYPE | 2 | Light Grey | 48.2 x 33.2 x 4.45 |
| UF-2013A | 3 SNAP- IN, F.O RACK MOUNT, DRAWER TYPE | 3 | Black | 48.2 x 40.2 x 4.45 |

FIBER OPTIC RACK MOUNT SLIDE TYPE

FEATURES / MATERIAL

- Designed for all fiber optic wiring.
- Suitable for installation in 19" rack at 1U height.(23" rack Optional)
- Structures made from Electro galvanize sheet steel, very durability.
- Can be slide-out easy to install and maintain.
- Uses with all type of LINK fiber optic adapter snap plate e.g. ST, SC, FC, LC and E2000.
- Provide Full Moon Cable Routing (internal management ring) to control internal wiring for direct connecting and changing to Splice Tray (SV-2256) for fusion splicing.
- UF-2010A supports 6-24 fiber ports, UF-2011A supports 6-36 fiber ports
- Accessories provided in bagged.
 - 4 sets of screw with M6 cage nut and PVC cup washer
 - 4 cable ties



UF-2010

UF-2010A

UF-2011A

| Part Number | Description | No. of Adapter Plate | Color | Dimension W X D X H (Cm) |
|-------------|--|----------------------|-------|--------------------------|
| UF-2010 | 2 SNAP- IN, F.O RACK MOUNT, SLIDE TYPE | 2 | Black | 48.0 x 19.5 x 4.45 |
| UF-2010A | 2 SNAP- IN, F.O RACK MOUNT, SLIDE TYPE | 2 | Black | 48.0 x 25.0 x 4.45 |
| UF-2011A | 3 SNAP- IN, F.O RACK MOUNT, SLIDE TYPE | 3 | Black | 48.0 x 25.0 x 4.45 |

FIBER OPTIC RACK MOUNT FIXED TYPE



DESCRIPTION / APPLICATION

- LINK Fiber Optic Distribution Unit (FDU) rack mount fixed type design with innovation technology very easily install and very flexible to use by removable back cover and removable front door with label. Supply with screw, cage nut and label. Complies with standard ANSI/TIA-568-C.3 ISO/IEC 11801:2002 and RoHS Compliant.

FEATURES / MATERIAL

- Designed for all fiber optic wiring.
- Suitable for installation in 19" rack at 2U for UF-2014A and 3U for UF-2016A height.(23" rack Optional)
- Structures made from high grade Aluminum, lightweight and very durability.
- Provide removable back door easy to install and maintain.
- Provide removable front door clear polycarbonate with label easy to identify port and connector.
- Uses with all type of LINK fiber optic adapter snap plate e.g. ST, SC, FC, LC and E2000.
- Provide Full Moon Cable Routing (internal management ring) to control internal wiring for direct connecting and changing to Splice Tray (SV-2256) for fusion splicing.]
- UF-2014A support 6-48 fiber ports, UF-2016A support 6-96 fiber ports.
- Accessories provided in bagged.
 - 4 sets of screw with M6 cage nut and PVC cup washer
 - 4 cable ties
 - 2 label



RACK MOUNT FIXED

| Part Number | Description | No. of Adapter Plate | Color | Dimension W X D X H (Cm) |
|-------------|--|----------------------|------------|--------------------------|
| UF-2014A | 4 SNAP- IN, F.O RACK MOUNT, FIXED TYPE | 4 | Light Grey | 48.2 x 33.6 x 8.9 |
| UF-2016A | 8 SNAP- IN, F.O RACK MOUNT, FIXED TYPE | 8 | Light Grey | 48.2 x 33.6 x 13.2 |

FIBER OPTIC WALL MOUNT TYPE

DESCRIPTION / APPLICATION

- LINK Fiber Optic Distribution Unit (FDU) wall mount type design with innovation technology very easily install and very flexible to use by wall mount type with security lock. Supply with cable gland, key, screw, nylon anchor and label. Complies with standard ANSI/TIA-568-C.3 ISO/IEC 11801:2002 and RoHS Compliant

FEATURES / MATERIAL

- Designed for all fiber optic wiring.
- Suitable for installation on wall.
- Structures made from Electro galvanize sheet steel, very durability.
- Top and Bottom cable entry integral grommets for preventing dust from entering the system.
- Uses with all type of LINK fiber optic adapter snap plate e.g. ST, SC, FC, LC and E2000.
- Provide Full Moon Cable Routing (internal management ring) to control internal wiring for direct connecting and changing to Splice Tray (SV-2256) for fusion splicing.
- Dual doors with separate locking options for quick to install or manage and security.
- Lockable front door provides added security and prevent unwanted access.
- UF-2022A support 6-24 fiber ports, UF-2024A support 6-48 fiber ports.
- Accessories provided in bagged.
 - 2 cable glands, - 2 key, - 4 sets of screw and nylon anchor
 - 4 cable ties for UF-2022A, 8 cable ties for 2024A and 1 label



WALL MOUNT ENCLOSURE

| Part Number | Description | No. of Adapter Plate | Color | Dimension W X D X H (Cm) |
|-------------|---------------------------------|----------------------|------------|--------------------------|
| UF-2022A | 2 SNAP- IN, F.O WALL MOUNT TYPE | 2 | Light Grey | 33.0 x 9.2 x 21.4 |
| UF-2024A | 4 SNAP- IN, F.O WALL MOUNT TYPE | 4 | Light Grey | 33.1 x 9.2 x 31.6 |

DESCRIPTION / APPLICATION

- LINK adapter snap plates designed for convenient use with LINK Fiber Optic Distribution Unit (FDU), rack mount drawer and wall mount enclosures.
LINK adapter snap plate wide variety of singlemode and multimode. Meets standard ANSI/TIA-568-C.3 and ISO/IEC 11801:2002. RoHS Compliant

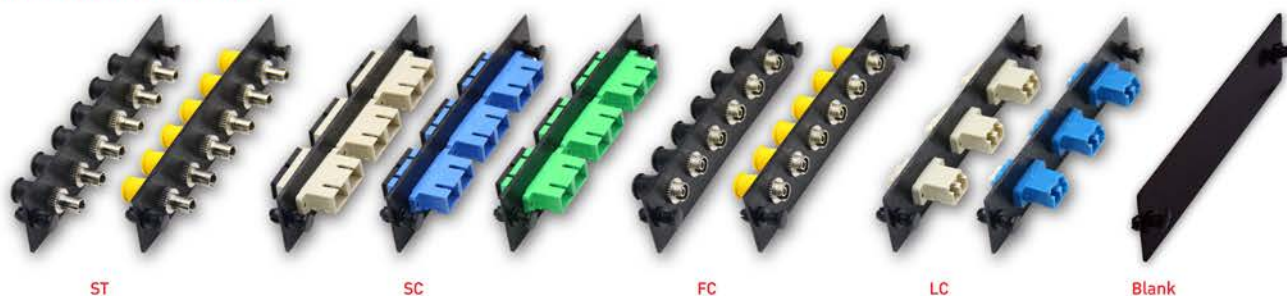
FEATURES / MATERIAL

- Work with all LINK FDU, Rack Mount, Wall Mount
- Snap plate made of Aluminum Black Anodized, lightweight and very durability
- Provides 6 and 12 fiber ports for ST, SC, FC, LC, MT-RJ, E2000 and blank adapters.
- Low insertion loss and high return loss
- Good in repeatability and reconnect ability
- Loaded with adapter and included dust cap
- Adapter type female to female.
- Provide nylon rivet (snap on) access easy to install and update.

PERFORMANCE

| | | MULTIMODE | SINGLEMODE |
|-----------------------|------|-----------------|-------------------|
| Insertion Loss | Typ. | ≤ 0.20 dB | ≤ 0.20 dB |
| | Max. | ≤ 0.30 dB | ≤ 0.30 dB |
| Durability | | 500 cycles | 500 cycles |
| Alignment Sleeve | | Phosphor Bronze | Zirconia, ceramic |
| Operating Temperature | | -40°C to 85°C | -40°C to 85°C |
| Storage Temperature | | -40°C to 85°C | -40°C to 85°C |

6 FIBER ADAPTER SNAP PLATE



| Part Number | Description | Type | Housing | Housing Color | Dust cap |
|---------------|--------------------------------|------|---------------------|---------------|----------|
| UF-2144 | 6 ST ADAPTER SNAP PLATE | MM | Nickel Plated Brass | Metalic | PVC |
| UF-2144SM | 6 ST ADAPTER SNAP PLATE | SM | Nickel Plated Brass | Metalic | PVC |
| UF-2166 | 3 SC DUPLEX ADAPTER SNAP PLATE | MM | PBT,UL94V-0 | Ivory | PP |
| UF-2166SM | 3 SC DUPLEX ADAPTER SNAP PLATE | SM | PBT,UL94V-0 | Blue | PP |
| UF-2166SM/APC | 3 SC DUPLEX ADAPTER SNAP PLATE | SM | PBT,UL94V-0 | Green | PP |
| UF-2188 | 6 FC ADAPTER SNAP PLATE | MM | Nickel Plated Brass | Metalic | PVC |
| UF-2188SM | 6 FC ADAPTER SNAP PLATE | SM | Nickel Plated Brass | Metalic | PVC |
| UF-2122 | 3 LC DUPLEX ADAPTER SNAP PLATE | MM | PC,UL94V-0 | Ivory | PVC |
| UF-2122SM | 3 LC DUPLEX ADAPTER SNAP PLATE | SM | PC,UL94V-0 | Blue | PVC |
| UF-2200 | BLANK ADAPTER SNAP PLATE | - | - | Black | - |

12 FIBER ADAPTER SNAP PLATE



| Part Number | Description | Type | Housing | Housing Color | Dust cap |
|---------------|--------------------------------|------|---------------------|---------------|----------|
| UF-2244 | 12 ST ADAPTER SNAP PLATE | MM | Nickel Plated Brass | Metalic | PVC |
| UF-2244SM | 12 ST ADAPTER SNAP PLATE | SM | Nickel Plated Brass | Metalic | PVC |
| UF-2266 | 6 SC DUPLEX ADAPTER SNAP PLATE | MM | PBT,UL94V-0 | Ivory | PP |
| UF-2266SM | 6 SC DUPLEX ADAPTER SNAP PLATE | SM | PBT,UL94V-0 | Blue | PP |
| UF-2266SM/APC | 6 SC DUPLEX ADAPTER SNAP PLATE | SM | PBT,UL94V-0 | Green | PP |
| UF-2288 | 12 FC ADAPTER SNAP PLATE MM | MM | Nickel Plated Brass | Metalic | PVC |
| UF-2288SM | 12 FC ADAPTER SNAP PLATE SM | SM | Nickel Plated Brass | Metalic | PVC |
| UF-2222 | 6 LC DUPLEX ADAPTER SNAP PLATE | MM | PC,UL94V-0 | Ivory | PVC |
| UF-2222SM | 6 LC DUPLEX ADAPTER SNAP PLATE | SM | PC,UL94V-0 | Blue | PVC |

FIBER OPTIC ADAPTER



DESCRIPTION / APPLICATION

- LINK fiber optic adapters are available in ST, SC, FC and LC adapters have high precision alignment sleeves for reliability and better reconnectability. LINK adapters come with a ceramic sleeve for the singlemode and phosphor bronze sleeve for the multimode. Meets standard ANSI/TIA-568-C.3 and ISO/IEC 11801:2002. RoHS Compliant

FEATURES / MATERIAL

- Used to mate two connectors together and usually mounted in a FDU panel or adapter plate
- Low insertion loss and high return loss
- Good in repeatability and reconnect ability
- Loaded with adapter and included dust cap
- Adapter type female to female.

PERFORMANCE

| | | MULTIMODE | SINGLEMODE |
|-----------------------|------|-----------------|-------------------|
| Insertion Loss | Typ. | ≤ 0.20 dB | ≤ 0.20 dB |
| | Max. | ≤ 0.30 dB | ≤ 0.30 dB |
| Durability | | 500 cycles | 500 cycles |
| Alignment Sleeve | | Phosphor Bronze | Zirconia, ceramic |
| Operating Temperature | | -40°C to 85°C | -40°C to 85°C |
| Storage Temperature | | -40°C to 85°C | -40°C to 85°C |



ST Simplex Adapter



FC Simplex Adapter



SC Simplex Adapter



SC Duplex Adapter



LC Duplex Adapter



LC Quad Adapter

| Part Number | Description | Type | Housing | Housing Color | Dust cap |
|---------------|-------------------------|-------|---------------------|---------------|----------|
| UF-0044 | ST ADAPTER | MM | Nickel Plated Brass | Metallic | PVC |
| UF-0044SM | ST ADAPTER | SM | Nickel Plated Brass | Metallic | PVC |
| UF-0044Q | ST ADAPTER, SQUARE TYPE | MM | PC,UL94V-0 | Ivory | PVC |
| UF-0044SQ | ST ADAPTER, SQUARE TYPE | SM | PC,UL94V-0 | Blue | PVC |
| UF-0055 | SC SIMPLEX ADAPTER | MM | PBT,UL94V-0 | Ivory | PP |
| UF-0055SM | SC SIMPLEX ADAPTER | SM | PBT,UL94V-0 | Blue | PP |
| UF-0055SM/APC | SC SIMPLEX ADAPTER, APC | SM | PBT,UL94V-0 | Green | PP |
| UF-0066 | SC DUPLEX ADAPTER | MM | PBT,UL94V-0 | Ivory | PP |
| UF-0066SM | SC DUPLEX ADAPTER | SM | PBT,UL94V-0 | Blue | PP |
| UF-0066SM/APC | SC DUPLEX ADAPTER, APC | SM | PBT,UL94V-0 | Green | PP |
| UF-0088 | FC ADAPTER | MM | Nickel Plated Brass | Metallic | PVC |
| UF-0088SM | FC ADAPTER | SM | Nickel Plated Brass | Metallic | PVC |
| UF-0088SM/APC | FC ADAPTER, APC | SM | Nickel Plated Brass | Metallic | PVC |
| UF-0088Q | FC ADAPTER, SQUARE TYPE | MM | Nickel Plated Brass | Metallic | PVC |
| UF-0088SQ | FC ADAPTER, SQUARE TYPE | SM | Nickel Plated Brass | Metallic | PVC |
| UF-0022 | LC SIMPLEX ADAPTER | MM | PC,UL94V-0 | Ivory | PVC |
| UF-0022SM | LC SIMPLEX ADAPTER | SM | PC,UL94V-0 | Blue | PVC |
| UF-0022XG | LC SIMPLEX ADAPTER, XG | MM | PC,UL94V-0 | Aqua | PVC |
| UF-0022D | LC DUPLEX ADAPTER | MM | PC,UL94V-0 | Ivory | PVC |
| UF-0022DSM | LC DUPLEX ADAPTER | SM | PC,UL94V-0 | Blue | PVC |
| UF-0022DXG | LC DUPLEX ADAPTER, XG | MM | PC,UL94V-0 | Aqua | PVC |
| UF-0033 | MPO ADAPTER | SM/MM | PC,UL94V-0 | Black | PVC |

DESCRIPTION / APPLICATION

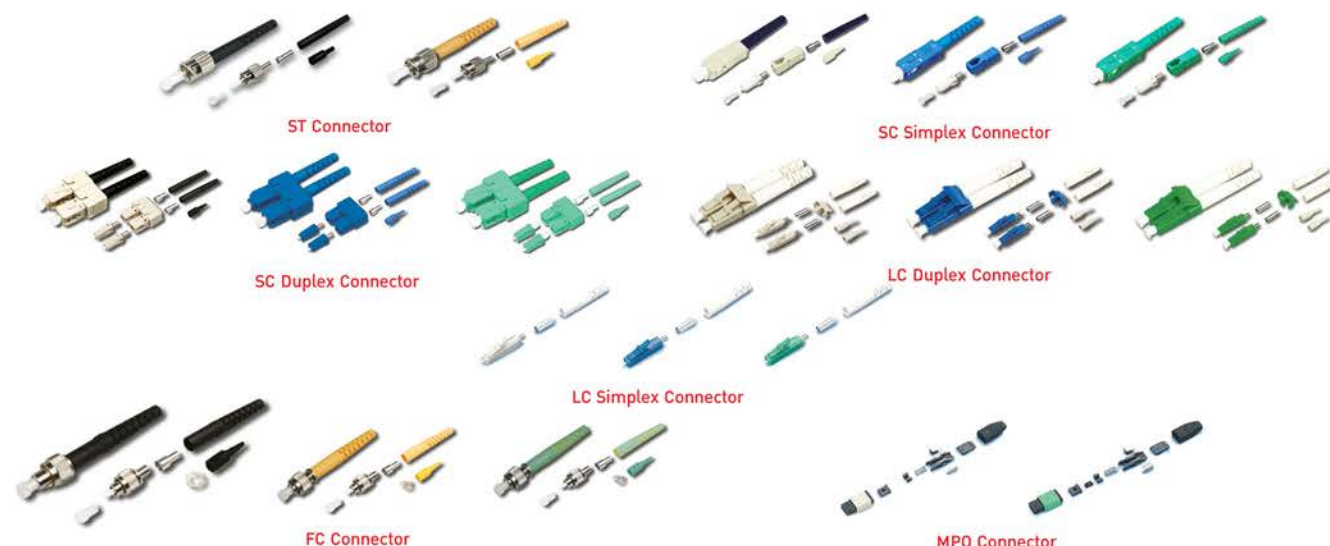
- LINK fiber optic connector designed for field termination with epoxy. Link fiber optic ST, SC, FC and LC connector are available in singlemode and multimode (OM1, OM2, OM3) and simplex and duplex. Meets standard ANSI/TIA-568-C.3 and ISO/IEC 11801 : 2002 Complies with IEC 61754, TIA/EIA 604 and EIA 455. RoHS Compliant

FEATURES / MATERIAL

- High precision zirconia ceramic, pre-radiused ferrules insure fiber alignment and repeatable performance
- Rugged metal connector bodies provide sturdy cable terminations
- The connectors are low insertion loss and high return loss
- Good in repeatability and exchangeability
- Field proven crimp technology improves connector/cable tensile performance
- Provide standard boot 900mm, 3.0mm or 2.0mm cable diameter are available

PERFORMANCE

| | MULTIMODE | SINGLEMODE |
|-----------------------|--------------------------------|--------------------------------|
| Insertion Loss | Typ. ≤ 0.15 dB | ≤ 0.15 dB |
| | Max. ≤ 0.30 dB | ≤ 0.30 dB |
| Return Loss | ≥ 20 dB | ≥ 55 dB |
| Ferrule | zirconia ceramic, pre-radiused | zirconia ceramic, pre-radiused |
| Boot | Thermoplastic, UL 94V-0 | Thermoplastic, UL 94V-0 |
| Durability | 500 cycles | 500 cycles |
| Operating Temperature | -40°C to 85°C | -40°C to 85°C |
| Storage Temperature | -40°C to 85°C | -40°C to 85°C |



| Part Number | Description | Type | Housing | Housing Color | Boot Color |
|----------------|---------------------------|------|---------------------|---------------|------------|
| UF-0004 | ST CONNECTOR | MM | Nickel Plated Brass | Metallic | Black |
| UF-0004SM | ST CONNECTOR | SM | Nickel Plated Brass | Metallic | Yellow |
| UF-0005 | SC SIMPLEX CONNECTOR | MM | PBT,UL94V-0 | Ivory | Black |
| UF-0005SM | SC SIMPLEX CONNECTOR | SM | PBT,UL94V-0 | Blue | Yellow |
| UF-0005SM/APC | SC SIMPLEX CONNECTOR, APC | SM | PBT,UL94V-0 | Green | Green |
| UF-0006 | SC DUPLEX CONNECTOR | MM | PBT,UL94V-0 | Ivory | Black |
| UF-0006SM | SC DUPLEX CONNECTOR | SM | PBT,UL94V-0 | Blue | Yellow |
| UF-0006SM/APC | SC DUPLEX CONNECTOR, APC | SM | PBT,UL94V-0 | Green | Green |
| UF-0008 | FC CONNECTOR | MM | Nickel Plated Brass | Metallic | Black |
| UF-0008SM | FC CONNECTOR | SM | Nickel Plated Brass | Metallic | Yellow |
| UF-0008SM/APC | FC CONNECTOR, APC | SM | Nickel Plated Brass | Metallic | Green |
| UF-0002 | LC SIMPLEX CONNECTOR | MM | PBT,UL94V-0 | Ivory | White |
| UF-0002SM | LC SIMPLEX CONNECTOR | SM | PBT,UL94V-0 | Blue | White |
| UF-0002SM/APC | LC SIMPLEX CONNECTOR, APC | SM | PBT,UL94V-0 | Green | White |
| UF-0002D | LC DUPLEX CONNECTOR | MM | PBT,UL94V-00 | Ivory | White |
| UF-0002DSM | LC DUPLEX CONNECTOR | SM | PBT,UL94V-0 | Blue | White |
| UF-0002DSM/APC | LC DUPLEX CONNECTOR, APC | SM | PBT,UL94V-0 | Green | White |
| UF-0003 | MPO CONNECTOR | MM | PBT,UL94V-00 | Black | Black |
| UF-0003SM | MPO CONNECTOR | SM | PBT,UL94V-0 | Blue | Black |
| UF-0003SM/APC | MPO CONNECTOR, APC | SM | PBT,UL94V-0 | Green | Black |

FIBER OPTIC PIGTAIL



DESCRIPTION / APPLICATION

LINK fiber optic pigtail compliant ISO/IEC 11801:2002, ANSI/TIA-568-C.3, UL/CSA and RoHS. The cables are high grade simplex cable available FR-PVC and FR-LSZH. The pigtails are low insertion loss and high return loss. Good in repeatability and exchangeability. The pigtail shall be factory assembled with high quality control and 100% test. Cables are available on 900 mm (0.9mm) buffered fiber, and 2.0 mm, 3.0 mm cordage connectorized on one end. The cord shall be available length in 1, 2, and 3 meters or other

PERFORMANCE

| | MULTIMODE (OM1, OM2, OM3, OM4) | SINGLEMODE (OS2) |
|------------------------|-----------------------------------|--------------------------------|
| Insertion Loss Typ. | ≤ 0.15 dB | ≤ 0.15 dB |
| Return Loss Max. | ≤ 0.30 dB | ≤ 0.30 dB |
| Return Loss | ≥ 20 dB | ≥ 50 dB |
| Pulling Force | 200 N | 200 N |
| Minimum Bending Radius | 30 mm. | 30 mm. |
| Ferrule | zirconia ceramic, pre-radiused | zirconia ceramic, pre-radiused |
| Durability | 500 cycles | 500 cycles |
| Operating Temperature | -40°C to 85°C | -40°C to 85°C |
| Storage Temperature | -40°C to 85°C | -40°C to 85°C |



UFP540S01-01/UFP540S31-01

ST (MM) Pigtail



UFP940S01-01/UFP940S31-01

ST (SM) Pigtail



UFP560S01-01/UFP560S31-01

SC (MM) Pigtail



UFP960S01-01/UFP960S31-01

SC (SM) Pigtail



UFP520S01-01/UFP520S31-01

LC (MM) Pigtail



UFP920S01-01/UFP920S31-01

LC (SM) Pigtail



UFP980S01-01/UFP980S31-01

FC/PC (SM) Pigtail



UFP980S02-01/UFP980S32-01

FC/APC (SM) Pigtail

FIBER OPTIC

9 = SM / OS2
6 = MM / OM1
5 = MM / OM2
4 = MM / OM3
3 = MM / OM4

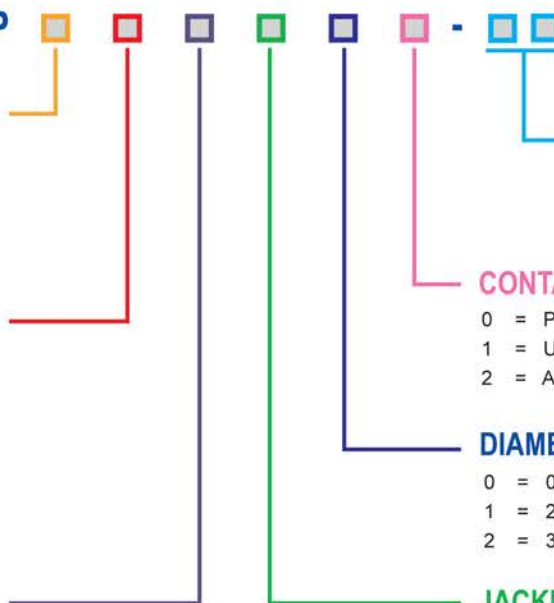
CONNECTOR

1 = MTP
2 = LC
3 = MPO
4 = ST
6 = SC
7 = MT-RJ, SMA, MU
8 = FC
9 = E2000

CONNECTOR

0 = None (Pigtail)

UFP



LENGTHS

Lengths of cable as requested
01, 02, 03, ..., NN = 1, 2, 3 ..., NN

CONTACT

0 = PC
1 = UPC
2 = APC

DIAMETER

0 = 0.9 mm.
1 = 2.0 mm.
2 = 3.0 mm.

JACKET

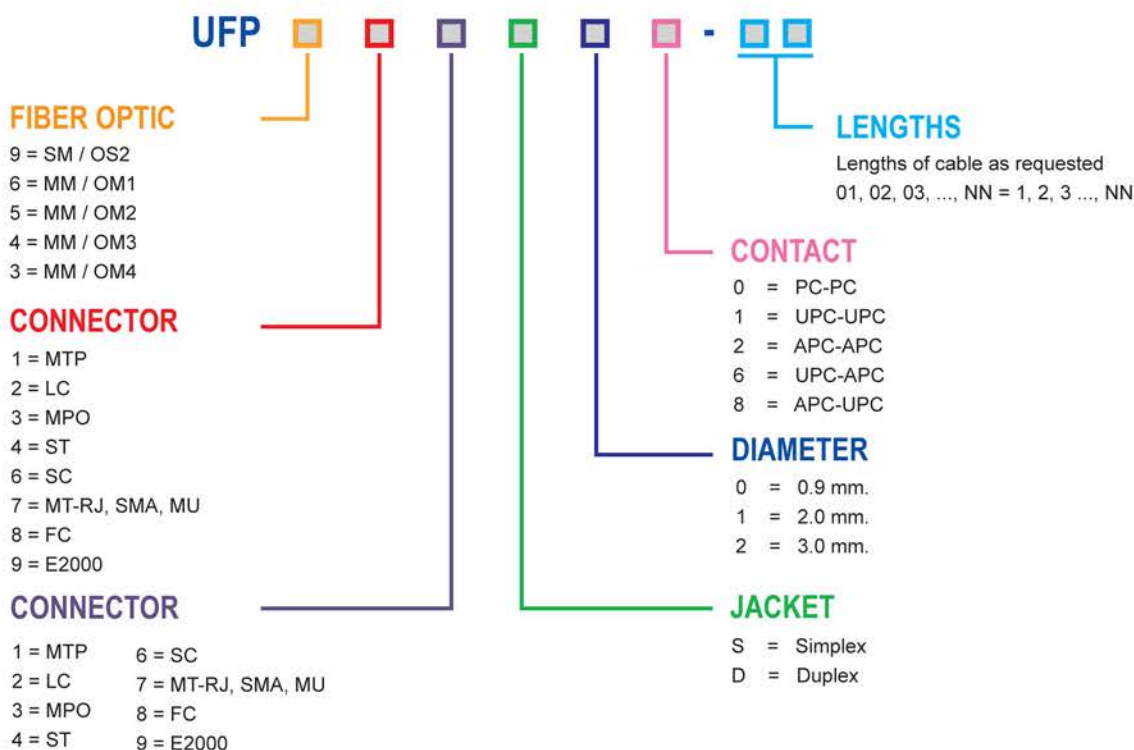
S = Simplex
D = Duplex

DESCRIPTION / APPLICATION

LINK fiber optic patch cord compliant ISO/IEC 11801:2002, ANSI/TIA-568-C.3, UL/CSA and RoHS requirements for fiber optic patch cord. The cables are high grade duplex and simplex cable available FR-PVC and FR-LSZH. The patch cords are low insertion loss and high return loss. Good in repeatability and exchangeability and provide label for easily to identify. The patch cord shall be factory assembled with high quality control and 100% test. Cables are available on 2.0 mm and 3.0 mm cordage connectorized on both end. The patch cord shall be available length in 3, 5, and 10 meters or other.

PERFORMANCE

| | MULTIMODE (OM1, OM2, OM3, OM4) | SINGLEMODE (OS2) |
|------------------------|-----------------------------------|--------------------------------|
| Insertion Loss Typ. | ≤ 0.20 dB | ≤ 0.20 dB |
| Return Loss Max. | ≤ 0.30 dB | ≤ 0.30 dB |
| Pulling Force | ≥ 20 N | ≥ 50 N |
| Minimum Bending Radius | 200 N | 200 N |
| Ferrule | 30 mm. | 30 mm. |
| Durability | zirconia ceramic, pre-radiused | zirconia ceramic, pre-radiused |
| Operating Temperature | 500 cycles | 500 cycles |
| Storage Temperature | -40°C to 85°C | -40°C to 85°C |
| | -40°C to 85°C | -40°C to 85°C |



FIBER OPTIC SPLICE CLOSURE(FOSC) DOME TYPE



DESCRIPTION / APPLICATION

LINK FOSC (Fiber Optic Splice Closure), horizontal type and dome type, which supports optical cable link, branch, distribution and storage. It can be used for both single core cable and ribbon cable.

FEATURES / MATERIAL

- Made of high impact polycarbonate engineering plastic
- Can be used in wall-mounting, aerial, underground, hand hole-mounting and duct-mounting
- Design branch closure or inline closure with mechanical sealing method : No heat shrink
- Mechanical sealing adjusts to cable size
- Reliable and easy to install
- High compressive strength, no require special tool
- Fiber optic splice trays (FOSTs) are designed in SLIDE-IN-LOCK and its opening angle is about 90°
- Easy and fast to increase and reduce FOSTs
- Included splice protective sleeve and accessories



UF-302XA
FOSC, Dome Type

UF-306XA
for Dome Type

| Part Number | Description | No. of Cable Port | Dimension (mm) |
|-------------|---|-------------------|----------------|
| UF-3022A | 24 Cores F.O. Splice Closure, Dome Type with 2 Tray (12F) | 4 | 415 × Ø 190 |
| UF-3022A | 48 Cores F.O. Splice Closure, Dome Type with 4 Tray (12F) | 4 | 415 × Ø 190 |
| UF-3027A | 72 Cores F.O. Splice Closure, Dome Type with 6 Tray (12F) | 4 | 415 × Ø 190 |
| UF-3029A | 96 Cores F.O. Splice Closure, Dome Type with 4 Tray (24F) | 4 | 415 × Ø 190 |
| UF-3061A | Splice Tray (Plastic) 12 Fibers for Dome Closure | - | Spare Part |
| UF-3062A | Splice Tray (Plastic) 24 Fibers for Dome Closure | - | Spare Part |

FIBER OPTIC SPLICE CLOSURE(FOSC) HORIZONTAL TYPE



UF-3041
FOSC, Horizontal Type



UF-304XA
FOSC, Horizontal Type



UF-305XA
FOSC, Horizontal Type



UF-306XA
for Horizontal Type

| Part Number | Description | No. of Cable Port | Dimension (mm) |
|-------------|---|-------------------|-----------------|
| UF-3041 | 12 Cores F.O. Splice Closure, Horizontal Type / 1 Tray (12F) | 6 | 210 x 150 x 30 |
| UF-3042A | 24 Cores F.O. Splice Closure, Horizontal Type with 2 Tray (12F) | 6 | 396 x 190 x 126 |
| UF-3042A | 48 Cores F.O. Splice Closure, Horizontal Type with 4 Tray (12F) | 6 | 396 x 190 x 126 |
| UF-3047A | 72 Cores F.O. Splice Closure, Horizontal Type with 6 Tray (12F) | 6 | 396 x 190 x 126 |
| UF-3049A | 96 Cores F.O. Splice Closure, Horizontal Type with 4 Tray (24F) | 6 | 396 x 190 x 126 |
| UF-3052A | More SPACE 24 C F.O. Splice HORIZONTAL CLOSURE /2 Tray (12F) | 6 | 330 x 195 x 125 |
| UF-3057A | More SPACE 72 C F.O. Splice HORIZONTAL CLOSURE /3 Tray (24F) | 6 | 510 x 230 x 110 |
| UF-3063A | Splice Tray (Plastic) 12 Fibers for Horizontal Closure | - | Spare Part |
| UF-3064A | Splice Tray (Plastic) 24 Fibers for Horizontal Closure | - | Spare Part |

FEATURES / CONSTRUCTION

- Designed for Data Center, storage area networks, and local area networks fiber optic wiring.
- Suitable for installation in 19" rack at 1U height.(23" rack Optional)
- Structures made from Electro galvanize sheet steel, very durability.
- Can be slide-out easy to install and maintain.
- Uses with all type of LINK MPO cassettes 12 and 24 fiber ports.
- Provide internal management ring to control internal wiring.
- UF-2017A supports 12-72 fiber ports.
- Accessories provided in bagged.
 - 4 management ring



UF-2017A

| Part Number | Description | No. of Cassettes | Color | Dimension W X D X H (Cm) |
|-------------|---|------------------|-------|-----------------------------|
| UF-2017A | 3 MPO, SNAP- IN, RACK MOUNT, SLIDE TYPE | 3 | Black | 48.0 x 25.0 x 4.45 |

MPO CASSETTE

MPO Cassettes are designed with pre-terminated fiber and multi-fiber Push-On Connector (MPO). They allow the quick addition of new devices in a computerized system, without the need for reconfiguration or manual installation of other external devices. Internally, each fiber is routed and connected within the cassette to its appropriate port on the front end of the unit. Using fiber cassettes allow the end user to save significant amounts of time.

FEATURES / CONSTRUCTION

- High quality aluminum material allows for compact and durable cassettes
- Cassette offers a plug and play solution which saves assembly and termination times
- Designed to fit and rack mount enclosures
- MPO connector reduces insertion loss which enhances channel link performance
- Cassette allows up to 24 fibers
- Single MPO adapter, with pins, APC type, key up to key down



12 Fibers



24 Fibers

| Part Number | Description |
|-------------|---|
| UF-432A1A | 12LC MPO Cassette Snap-In (MM, OM3) MPO 12F, LC 12F |
| UF-432A2B | 24LC MPO Cassette Snap-In (MM, OM3) MPO 24F, LC 24F |

Remark : Other special fiber or connector are available upon request

MPO Patch Cord (Array cable) and MPO Trunk Cable

MPO Harness and MPO Trunk Harness

MPO Patch Cords are 12-24 strand multi-fiber patch cords, our female MPO assemblies are made with precise housings ensuring perfect fiber alignment during mating with MPO cassettes. Its high density design allows for use in compact applications, saving significant amounts of time and overall cost.

FEATURES / CONSTRUCTION

- Made from OS2 OM3 OM4, compatible with any MPO cassettes & other MPO modules
- Compatible with TIA/EIA requirements for fiber optic applications
- Available in 5, 10, 15, 20, 30, up to 100 meters
- Test results included



MPO-MPO Patch Cord



MPO-LC Harness

| Part Number | Description |
|-----------------|---|
| UFM43331A1A-XXX | MPO-MPO Patch Cord MM,OM3 (3.0 mm Jacket) 12 F, Method A |
| UFM43331A2A-XXX | MPO-MPO Patch Cord MM,OM3 (3.5 mm Jacket) 24 F, Method A, 12Fx2 |
| UFM43361A1A-XXX | MPO-MPO Trunk Cable MM,OM3 (6.5 mm Jacket) 12 F, Method A |
| UFM43231A1A-XXX | MPO-LC Harness MM,OM3 (3.0 mm Jacket) 12 F, Method A |
| UFM43261A1A-XXX | MPO-LC Trunk Harness MM,OM3 (6.5 mm Jacket) 12 F, Method A |

Remark : Other special fiber or connector are available upon request

TELECOM DISTRIBUTION CABINET



DESCRIPTION / APPLICATION

LINK offer wide range of Telecom Distribution Cabinet which are ideal for using at the IDCs and the central offices. These ODFs are used to provide efficient cable connections between communication facilities.

FEATURES / MATERIAL

- This frame is made of top quality steel and deformed aluminum alloy and treated with galvanizing, oxidation and electrostatic plastic spraying.
- The frame has solid structure and pleasing appearance.
- Fully-closed structure with the advantages of good performance of dust-proof, pleasing and neat appearance.
- Enough space for fiber distribution and storage space and very easy for installation and operations.
- Fully front side operation, convenient for maintenances.
- Curvature radius of 40 mm.



UF-4010



UF-4014

| Part Number | Description | Dimension H x W x D(mm) | Color |
|-------------|---|----------------------------|------------|
| UF-4010 | Open F.O. Distribution Cabinet w/cable routing | 2000 x 840 x 300 | Light Grey |
| UF-4014 | Close F.O. Distribution Cabinet w/cable routing | 2000 x 840 x 300 | Light Grey |



UF-403X



UF-4048/U



UF-4058/U



UF-4021



UF-4023

| Part Number | Description | Height(U) | Color |
|-------------|--|-----------|------------|
| UF-4032 | Panel for Splice & Distribution, 24 Port | 2U | Light Grey |
| UF-4034 | Panel for Splice & Distribution, 48 Port | 3U | Light Grey |
| UF-4036 | Panel for Splice & Distribution, 72 Port | 4U | Light Grey |
| UF-4048/U | Splice & distribution Panel with FC/UPC adapters | - | Blue |
| UF-4058/U | 12 FC/U SM G652 bundle pigtail 2 meter | - | Yellow |
| UF-4021 | Panel for cable inlet system | 5U | Light Grey |
| UF-4023 | Panel for storage | 4U | Light Grey |

F.O. OUTDOOR CROSS CONNECT CABINET

FEATURES / MATERIAL

- Customized size available upon request
- Pole and pad versions available
- Front access with locking feature
- Provides flexible fiber cable management
- Compatible with all types of PLC splitters
- Pre-connectorized fiber pigtailed installed for rapid deployment



UF-40XX



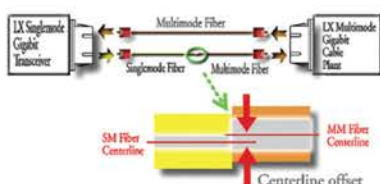
UF-40XX



| Part Number | Description | Figure | Color |
|-------------|--|--------|------------|
| UF-40XX | F.O. Outdoor Cross Connect Cabinet | A | Light Grey |
| UF-40XX | F.O. 19" Outdoor Cross Connect Cabinet | B | Light Grey |

DESCRIPTION / APPLICATION

Mode Connecting Patchcord is used with laser transmitters is fiber optic links to improve the transmission bandwidth it is also known as Gigabit Ethernet Patchcords



UF - ■ ■ ■

Cable Panel Connector Type

2 = LC Duplex
4 = ST Duplex
6 = SC Duplex
8 = FC Duplex

Equipment Connector Type

2 = LC Duplex
4 = ST Duplex
6 = SC Duplex
8 = FC Duplex

Cord Length

1 = 1 m
3 = 3 m
5 = 5 m

ATTENUATOR

This is plug-type male to female attenuator. It's available in following different connector designs. Easy installation, and ideal for sensor system, signal processing and laboratory use.



Plug - type Attenuator

Bulkhead - type Attenuator

Variable Attenuator

| Items | Range | Tolerance |
|-----------------------|----------|-----------|
| Attenuator Value (dB) | 3 | ± 0.5 |
| | 5 | ± 0.5 |
| | 10 | ± 1.0 |
| | 15 | ± 1.5 |
| | 20 | ± 2.0 |
| | 25 | ± 2.5 |
| Return Loss (dB) | PC > 45 | |
| | SPC > 50 | |
| | UPC > 55 | |

UF-71A^{XX}Y

A : 4 = ST, 5 = SC, 8 = FC, 2 = LC

XX : 03 = 3dB, 05 = 5dB, 10 = 10dB, 15 = 15dB, 20 = 20dB, 25 = 25dB

Y : S0 = PC, S1 = SPC, S2 = UPC

LOOP BACK : SC, LC & MTRJ

Testing, engineering and burn-in stage of boards and other equipment



| Item | | Multimode | | Singlemode | |
|---------------------|------------|--------------|-----------|------------|-----------|
| Connector Type | | SC, LC, MTRJ | | SC, LC | MTRJ |
| Fiber Diameter (μm) | | 62.5/125 | 50/125 | 9/125 | 9/125 |
| Return Loss (dB) | PC Polish | - | - | > 35 | ≥ 40 |
| | SPC Polish | - | - | > 40 | - |
| | UPC Polish | - | - | > 50 | - |
| Insertion Loss (dB) | | ≤ 0.5 Max | ≤ 0.5 Max | ≤ 0.3 Max | ≤ 0.3 Max |

BUFFER TUBE 900 μm



LINK Buffer tube 900 μm can be employed as buffering material and provide additional protection for use with 250 μm fiber

DESCRIPTION / APPLICATION

- Protect bare fiber in any situation against mechanical damage during handling and installation.
- Bare fiber can be easily installed more than 5 meters.
- High resistance to creep, impact, and flex fatigue; flexibility at low temperature; and good retention of properties at elevated temperatures.



| Part Number | Description | Dimension (μm) | Color |
|-------------|-------------------------------|-----------------------------|-------|
| UFC6200 | Buffer tube 900 μm | 900 μm | Clear |

12 FIBER SPLICING TRAY

DESCRIPTION / APPLICATION

- For use with all LINK rack mount enclosure and wall mount enclosure.
- Made from aluminum and accommodated 12 fusion splicing per tray.
- Protects and manages fiber splices
- Minimum fiber bending radius is maintained
- Used for multimode and single mode



| Part Number | Description | Dimension (mm.) | Color |
|-------------|------------------------|-----------------|------------|
| SV-2256 | 12 Fiber Splicing Tray | 140 x 125 x 10 | Light Grey |

FUSION PROTECTOR SLEEVE

DESCRIPTION / APPLICATION

- For use with splicing tray
- Protects fiber splices
- Clear outer tube and Stainless steel needle.



| Part Number | Description | Dimension (mm.) | Color |
|-------------|---|-----------------|-------|
| SV-2252A | Fusion Splice Protector Sleeve, 60 mm., Slim Type | 2.5 x 60 | Clear |
| SV-2252 | Fusion Splice Protector Sleeve, 60 mm. | 2.8 x 60 | Clear |
| SV-2251 | Fusion Splice Protector Sleeve, 40 mm. | 2.5 x 40 | Clear |

OTDR DUMMY CABLE BOX

Designed to aid in the testing of fiber optic cable when using an OTDR. Launch Fiber Box is used with Optical Time Domain Reflectometers (OTDR's) to help minimize the effects of the OTDR's launch pulse on measurement uncertainty. Available in many different configurations and fiber lengths.

SPECIFICATION

Operating Temperature : -40°C to +50°C

Typical Loss : <1dB@1310nm for 1000 meters

Standard Attachment : Insert Return Loss Report

OTDR Test Report

3D Test Report (Grade A only)



PART NUMBER : UF - [A] - [B] - [C] - [D]

| A = Input Connector | B = Output Connector | C = Fiber | D = Length |
|---------------------|----------------------|--------------------|--------------|
| FC - FC/UPC | FC - FC/UPC | 9 - 9/125 (OS2) | 0.5 - 0.5 km |
| SC - SC/UPC | SC - SC/UPC | 6 - 62.5/125 (OM1) | 1.0 - 1.0 km |
| ST - ST/UPC | ST - ST/UPC | 5 - 50/125 (OM2) | 2.0 - 2.0 km |
| FCA - FC/APC | FCA - FC/APC | 4 - 50/125 (OM3) | - |
| SCA - SC/APC | SCA - SC/APC | - | - |
| LC - LC/UPC | LC - LC/UPC | - | - |

For Example : Single mode fiber, input FC/UPC, output SC/UPC, 1000 meters UF-FC-SC-9-1.0

Remark : Other special fiber or connectors are available upon request.

FEATURES

Fusion splicing is the act of joining two optical fibers end-to-end using heat. The goal is to fuse the two fibers together in such a way that optical signal passing through the fibers is not scattered or reflected back by the splice, and so that the splice and region surrounding it are almost as strong as the virgin fiber itself.

STANDARD PACKAGE

F.O. Auto Manual Cleaver (UF-2845)
3 Hole Fiber Stripper (UF-2800)
AC/DC Adapter
Battery
AC Cable
Spare Electrodes
Cooling Tray
Instruction CD
Carrying Case



UF-2842

| Part Number | Description | Box Dimension L x W x H(cm) |
|-------------|--------------------------------------|--------------------------------|
| UF-2842 | F.O. PROFESSIONAL FUSION SPLICER SET | 155 x 158 x 135 |

F.O. HANDHELD OTDR 100Km, (1310/1550 nm)

FEATURES

Automatic one-button testing
1310/1550 wavelength
Short dead zone(8m)
High speed signal processing, short test time and fast analysis
Internal memory can store up to 10000 waveforms
High contrast color TFT LCD
USB port connect to PC
Input laser signal auto detection and self-protection function
Built-in VFL
User-friendly OTDR simulation software shows details of events



UF-2872

| Part Number | Description | Box Dimension L x W x H(mm) |
|-------------|--|--------------------------------|
| UF-2872 | F.O. HANDHELD OTDR 100Km, (1310/1550 nm) | 197 x 107 x 67 |

F.O. POWER METER & F.O. LIGHT SOURCE 850 / 1300, 1310 / 1490 / 1550

Power meters are part of most essential tools for all technicians installing or maintaining optical fiber networks. LINK power meters are well designed for all kinds of demanding applications on fiber measurement with different functions and parameters. With a rugged design, LINK power meters are built for top ruggedness and versatility, perfect for the harshest test conditions to verify the continuity and evaluate fiber link transmission quality.

Laser Source is part of the toolbox essentials working in pair with optical power meters to measure the optical attenuation and eliminate the faults when telecom technicians install or maintain optical fiber networks. LINK laser sources are well designed for first-class versatility - it offers stabilized laser signal, as well as various wavelengths. With a rugged design, LINK laser sources are built for top ruggedness and versatility, perfect for the harshest test conditions to verify the continuity and evaluate fiber link transmission quality.



UF-2895



UF-2896



UF-2898

| Part Number | Description | Dimension L x W x H(mm) |
|-------------|---|----------------------------|
| UF-2895 | F.O. PROFESSIONAL POWER METER w/PC CONNECTION & AC Adapter for FC, ST, SC | 170 x 97 x 38 |
| UF-2896 | LIGHT SOURCE 850 / 1300 w/AC Adapter | 170 x 97 x 38 |
| UF-2898 | F.O. LIGHT SOURCE 1310 / 1490 / 1550 w/AC Adapter | 170 x 97 x 38 |

FTTH PROFESSIONAL TOOL W/POWER METER



STANDARD PACKAGE

1. Carrying bag
2. Power meter
3. Kevlar scissors, new style
4. F.O. visual fault locator
5. Manual pro cleaver
6. FTTH drop fiber stripper, new style
7. 3 hole fiber stripper, new style
8. F.O. buffer tube stripper, new style
9. F.O. clean stick 2.5 mm.
10. Alcohol's bottles



| Part Number | Description |
|-------------|--------------------------------------|
| UFH3020 | FTTH PROFESSIONAL TOOL w/Power meter |

FIBER OPTIC TOOL KIT

KIT CONTENTS

1. UF-2821 WIPE PAPER
2. UF-2823 CLEANSER LIQUID
3. UF-2826 A/B FAST EPOXY GLUE (COMPLETE BOND 30 MINUTES)
4. UF-2825 EPOXY SYRINGE
5. UF-2830 (0.3mm - WHITE COLOR) POLISH FILM
6. UF-2831 (1.0mm - GREEN COLOR) POLISH FILM
7. UF-2835 (5.0mm - BROWN COLOR) POLISH FILM
8. UF-2803 FIBER COATING 250-900mm STRIPPER
9. UF-2804 KEVLAR SCISSORS
10. UF-2806 CRIMP TOOL (ST, SC, FC)
11. UF-2808 CARBIDE SCRIBE
12. UF-2810 ST POLISH DISC
13. UF-2812 SC POLISH DISC
14. UF-2814 RUBBER WORKING PAD
15. UF-2816 GLASSES WORKING PAD
16. UF-2825 SYRINGE
17. EPOXY MIXER
18. EPOXY MIXER PAD



| Part Number | Description | Box Dimension L x W x H(mm) |
|-------------|---|--------------------------------|
| UF-2840 | Fiber Optic PROFESSIONAL TERMINATE SET (No Optical Scope) | 297 x 197 x 60 |

CLEAVER AUTO / MANUAL, F.O. MICROSCOPE, F.O. VISUAL FAULT LOCATOR



UF-2844



UF-2845



UF-2851



UF-2883



UF-2885

| Part Number | Description | Battery |
|-------------|--|---------|
| UF-2844 | F.O. Auto Pro Cleaver | - |
| UF-2845 | F.O. Manual Pro Cleaver | - |
| UF-2851 | F.O. Microscope 400X w/ST, SC, FC & LC Adapter | 2A x 3 |
| UF-2883 | F.O. Visual Fault Locator (Heavy Duty) > 10 mw | 2A x 2 |
| UF-2885 | F.O. Identifier | 2A x 2 |



A



B



C



D

| Part Number | Description | Figure |
|-------------|--------------------------------------|--------|
| UF-2800 | 3 Hole Fiber Stripper, New Style | A |
| UF-2801 | 2 Hole Fiber Stripper, New Style | B |
| UF-2802 | 1 Hole Fiber Stripper, New Style | C |
| UF-2803 | Fiber Stripper, 250-900 μm, Original | D |



E



F



G



H

I

J

| Part Number | Description | Figure |
|-------------|---|--------|
| UF-2804 | Kevlar Scissors, Original | E |
| UF-2805 | Kevlar Scissors, New Style | F |
| UF-2806 | ST, SC, FC, LC Crimping Tool, Original | G |
| UF-2810 | Hand Polishing Dish for ST, Original | H |
| UF-2812 | Hand Polishing Dish for SC, FC Original | I |
| UF-2813 | Hand Polishing Dish for LC Original | J |



K



L



M



N



O

| Part Number | Description | Figure |
|-------------|--------------------------------------|--------|
| UF-2814 | Rubber Polish Working PAD, Original | K |
| UF-2815 | Glass Polish Working PAD, Original | L |
| UF-2808 | Carbide Scribe Tool | M |
| UF-2818 | F.O. Buffer Tube Stripper, New Style | N |
| UF-2819 | Length Way Stripper | O |



P



Q



R



S

| Part Number | Description | Figure |
|-------------|--|--------|
| UF-2820 | FTTH Drop Fiber Stripper, New Style | P |
| UF-2821 | Wipe Paper | Q |
| UF-2822 | Kimwipe Cleaning Wipe Paper (280 pcs/box) | R |
| UF-2824 | F.O. Connector Cleaner Cassette (500 Connectors) | S |

FIBER OPTIC TOOL KIT



A, B



C, D



E



F



G

| Part Number | Description | Figure |
|-------------|---|--------|
| UF-2828-1 | F.O. One Click Cleaner 1.25 mm (800 Connector) | A |
| UF-2828-2 | F.O. One Click Cleaner 2.5 mm (800 Connector) | B |
| UF-2829-1 | F.O. Clean Stick 1.25 mm (Cotton Bud, 25 pcs/pkg) | C |
| UF-2829-2 | F.O. Clean Stick 2.5 mm (Cotton Bud, 25 pcs/pkg) | D |
| UF-2836 | F.O. Clean Stick 2.5 mm (25 pcs/pkg) | E |
| UF-2823 | Cleanser Liquid | F |
| UF-2825 | Epoxy Syringe | G |



H



I, J, K



L



M

| Part Number | Description | Figure |
|-------------|---------------------------------|--------|
| UF-2826 | A/B Fast Epoxy Glue | H |
| UF-2830 | Hand Polishing Film 0.3 μ m | I |
| UF-2831 | Hand Polishing Film 1.0 μ m | J |
| UF-2835 | Hand Polishing Film 5.0 μ m | K |
| UF-2875 | F.O. Cable Slitter | L |
| UF-2877 | F.O. Small Mid Span Slitter | M |



N



O



P



Q



R, S

| Part Number | Description | Figure |
|-------------|---|--------|
| UF-2878 | F.O. Big Cable Slitter | N |
| UF-2864 | F.O. Mechanical Splicer | O |
| UF-2865 | SC Bare Fiber Adapter | P |
| UF-2866 | FC Bare Fiber Adapter | Q |
| UF-2881 | F.O. Laser Inspect Pen @ 2.5 mm. for ST, SC, FC | R |
| UF-2882 | F.O. Laser Inspect Pen @ 1.25 mm. for LC | S |



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