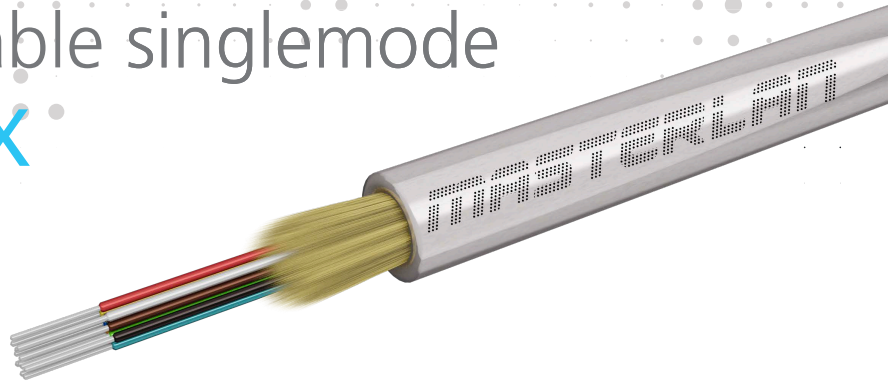


Drop Fiber Optic Cable singlemode

Masterlan DROPX



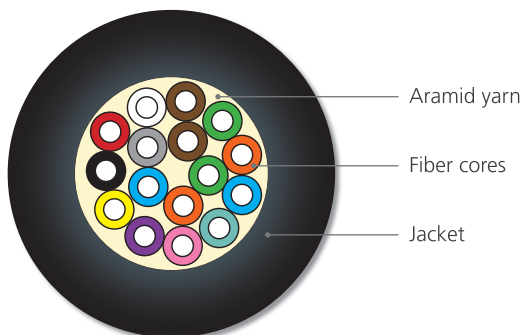
Masterlan DROPX is fiber optic drop cable suitable for both indoor and outdoor use. Used fibers are high quality Corning (G.657.A2) with perfect flexibility. Aramid yarn serves as strength and protective member. The Cable is completed with LSZH and UV stable outer sheath for wide variety of use. The Cable is lightweight construction with around 4mm(24F) in diameter, designed for easy handling and installation. Great choice for FTTx applications.

MASTERLAN DROPX FIBER OPTIC CABLE

























| | | | |
|-----------|------|--------|-------------|
| 12F 9/125 | LSZH | 3,8mm | ivory/black |
| 16F 9/125 | LSZH | 3,9mm | ivory/black |
| 24F 9/125 | LSZH | 4,0 mm | ivory/black |

Cable structure and specification

| | |
|------------------------------------|--|
| Type of fiber | SM 9/125 (Corning G.657.A2) |
| No. of fibers | 12 / 16 / 24 |
| Outer sheath | LSZH, UV stable |
| Filing compound | Aramid |
| Working temperature | -20°C to 50°C |
| Installation temperature | -7°C to 45°C |
| Attenuation for 1310nm | 0.35 dB / km |
| Attenuation for 1550nm | 0.20 dB / km |
| Tensile strength | 1000 N |
| Crush resistance | 500 N/100 mm |
| Min.Banding radius (short term) | 4x D kabelu |
| Min. Banding radius (long term) | 7x D kabelu |
| Sheath material/color | Black/Ivory |
| Strength member | Aramid yarn |
| Cable diameter 12/ 16/ 24 | 3.8mm/3.9mm/4.0mm |
| Cable weight | 13 / 13.5 / 14 kg / km |
| Package | Plywood reel 500/2000m |
| Use | outdoor not protected, indoor, collectors, tubes, slack / drop 160m, blowing for 500m |



| Specification of singlemode fibers Corning (ITU-T G.657.A2) | | |
|---|--------------------------|--|
| Items | Units | Specification |
| Mechanical Attribute | | |
| Fiber type | | Corning G.657.A2 |
| Mode Field Diameter | μm | 8.8 ± 0.4 at 1310nm 9.8 ± 0.5 at 1550nm |
| Cladding Diameter / Tolerance | μm | 125 ± 0.7 |
| Core Concentricity error | μm | ≤ 0.5 |
| Cladding Non-circularity | % | ≤ 1.0 |
| Coating Diameter | μm | 245 ± 5 |
| Transmission Attribute | | |
| Attenuation | at 1310nm | Each core ≤ 0.35 Average / Roll ≤ 0.35 |
| | at 1550nm | Each core ≤ 0.20 Average / Roll ≤ 0.20 |
| Chromatic Dispersion | ps / nm.km | ≤ 3.5 at 1310nm ≤ 18 at 1550nm |
| Zero Dispersion Wavelength | nm | 1300 ≤ λ ₀ ≤ 1324 |
| Zero Dispersion Slope | ps / nm ² .km | ≤ 0.092 |
| Polarization Mode Dispersion | ps / (km) ^{1/2} | ≤ 0.2 |
| Cable cut-off Wavelength (λ _{cc}) | nm | ≤ 1260 |
| Fibers macrobend loss | dB | ≤ 0.1 at 1625nm |

| The color code of the individual fibers | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sequence | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Color | Blue | Orange | Green | Brown | Grey | White | Red | Black | Yellow | Purple | Pink | Aqua |
| |  |  |  |  |  |  |  |  |  |  |  |  |
| Sequence | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| Color with strip | Blue | Orange | Green | Brown | Grey | White | Red | Black | Yellow | Purple | Pink | Aqua |
| |  |  |  |  |  |  |  |  |  |  |  |  |