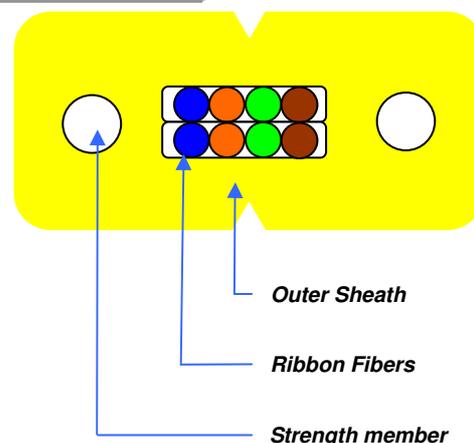


# FTTx Ribbon Cable

## Product Features:

- Ribbon fiber design enhanced fiber capacity, available for high-density network deployment
- Tiny slit on both sides to allow easy strip
- Normal sheath or low smoke, zero halogen with fire retardant sheath
- Steel wire or FRP(Fiber Reinforced Plastic) as strength member provide excellent crush resistance and tensile strength
- Bend optimized design for bending sensitively applications such as FTTx and premise network
- Complies with IEC 60793-1, IEC60793-2, IEC 60794, EIA/TIA 598B

Cable's Structure:



4-Ribbon Fiber

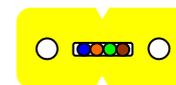


## Optical Characteristic:

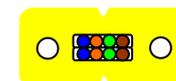
Parameter	Condition	Value
<b>Fiber</b>		Singlemode Fiber
<b>Attenuation</b>	@1310nm	≤ 0.4dB/km
	@1550nm	≤ 0.3dB/km
<b>Zero Dispersion Wavelength</b>		1300~1324nm
<b>Zero Dispersion Slope</b>		≤ 0.090ps/nm <sup>2</sup> .km
<b>Cutoff Wavelength</b>		<1260nm
<b>Mode Field Diameter(MFD)</b>	@1310nm	8.6 ± 0.4μm
	@1550nm	10.0 ± 0.5μm
<b>Marcobending Loss</b>	100turns;Φ50mm @1310nm	≤ 0.05B
	100turns;Φ50mm @1550nm	≤ 0.10dB
<b>Fiber Curl Radius</b>		≥ 4m
<b>Cladding Diameter</b>		125 ± 1μm
<b>Coating Diameter</b>		245± 5μm

### Mechanical Characteristic:

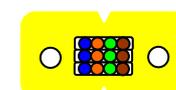
Parameter		Value	
Fiber Count		4, 8 SMF	12 SMF
Ribbon Dimension		1115μm x 320μm(4-Ribbon)	
Strength Member		Steel/FRP (Φ0.4mm x 2)	
Outer Sheath Material		LSZH / PVC	
Cable Weight		15 ± 5 kg/km	18 ± 5 kg/km
Cable Dimension		2.3mm x 4.3mm	2.6mm x 4.3mm
Max. Allowable Pulling Force	Installation	100~220N	
	Operation	40~70N	
Crush Resistance		400/200 N/10cm	
Temperature	Operation	-20℃~+70℃	
	Installation	-5℃~+50℃	



4-Fiber



8-Fiber



12-Fiber

### Ordering Information:

Order No.	Fiber count	Strength member	Cable sheath
FTTH-07001	4 x SMF	Steel Wire	LSZH
FTTH-07002			PVC
FTTH-07003		FRP	LSZH
FTTH-07004			PVC
FTTH-07005	8 x SMF	Steel Wire	LSZH
FTTH-07006			PVC
FTTH-07007		FRP	LSZH
FTTH-07008			PVC
FTTH-07009	12 x SMF	Steel Wire	LSZH
FTTH-07010			PVC
FTTH-07011		FRP	LSZH
FTTH-07012			PVC

*Special cable design or different fiber type is available upon request*