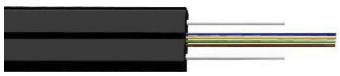
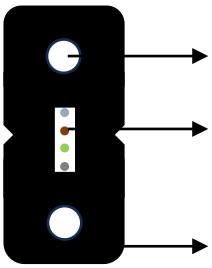
Bow-type drop cable

Model No.:

- **ASKA-FTTH-DC* (Fiber: 1/2/4 cores)**





A type

B type
(1.6*2.0mm)

Temperature Range

- Transport/Storage temp. -20°C~ +70 °C
- Installation Temp.: -5°C~ +50 °C
- Operation Temp.: -20°C~ +70 °C

Fiber: G.657 A1 / G.657 A2 / G.657 B3

Cable Structural Characteristics

- Sheath: LSZH material/ Black
- Fiber count: 1 ~ 4
- Strength member: FRP (Fiber reinforce plastic rod) or steel wire

Drop cable

Product Characteristics

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property. Used indoor network installation
- Two parallel FRP strength member ensure good performance of crush resistance to protect the fiber
- Simple structure, light weight and high practicability
- Novel flute design, easily strip and splice, simplify the installation and maintenance.
- Low smoke, zero halogen and flame retardant sheath

Technical Data

Fiber count	Cable outer dia(mm)	Fiber type	Cable weight (kg/km)	Min. Bending Radius (mm)		Permissible tensile force(N)		Permissible pressure force (N/100MM)	
				Static	Dynamic	Short- term	Long-term	Short- term	Long-term
1	2.0*3.0	0.25mm Coating Fiber	8.1	60	30	80	40	1000	500
2	2.0*3.0	0.25mm Coating Fiber *2	8.5	60	30	80	40	1000	500
4	2.0*4.0	4 cores fiber ribbon	9.8	60	30	80	40	1000	500
Note: The minimum bend radius(static) is 5D when G.657 fiber is used									

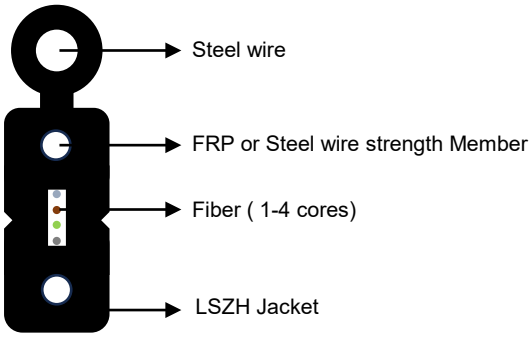
Remark: all sizes and performance values can be specified by customer

ASKA COMMUNICATION CORP.
3034 NW 82ND AVE,DORAL, FL. 33122, U.S.A.
Phone: 954-708-2387 Email: linda@askacom.com
www.askscom.com

Bow-type drop cable

Model No.:

- **ASKA-FTTH-DCM* (Fiber: 1/2/4 cores)**



Fiber: G.657 A1 / G.657 A2 / G.657 B3

Temperature Range

- Transport/Storage temp. -20°C~ +70 °C
- Installation Temp.: -5°C~ +50 °C
- Operation Temp.: -20°C~ +70 °C

Cable Structural Characteristics

- Sheath: LSZH material/ Black
- Fiber count: 1 ~ 4
- Messenger wire: Stranded steel wires
- Strength member: FRP (Fiber reinforce plastic rod) or steel wire

Drop cable

Product Characteristics

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property. Used indoor network installation
- Two parallel FRP strength member ensure good performance of crush resistance to protect the fiber
- Simple structure, light weight and high practicability
- Novel flute design, easily strip and splice, simplify the installation and maintenance.
- Low smoke, zero halogen and flame retardant sheath

Technical Data

Fiber count	Cable outer dia(mm)	Fiber type	Cable weight (kg/km)	Min. Bending Radius (mm)		Permissible tensile force(N)		Permissible pressure force (N/100MM)	
				Static	Dynamic	Short- term	Long-term	Short- term	Long-term
1	2.0*5.0	0.25mm Coating Fiber	19.1	60	30	600	300	2200	1000
2	2.0*5.0	0.25mm Coating Fiber *2	20.1	60	30	600	300	2200	1000
4	2.0*5.6	4 cores fiber ribbon	22.5	60	30	600	300	2200	1000
Note: The minimum bend radius(static) is 5D when G.657 fiber is used									

Remark: all sizes and performance values can be specified by customer

ASKA COMMUNICATION CORP.
3034 NW 82ND AVE,DORAL, FL. 33122, U.S.A.
Phone: 954-708-2387 Email: linda@askacom.com
www.askscom.com

Fiber G.657 A1

Easy bend fiber characteristics (ITU-G.657A1)

Category	Description		Specifications
Optical Specifications	Attenuation	@1310nm	≤0.35dB/km
		@1383nm	≤0.30dB/km
		@1490nm	≤0.24dB/km
		@1550	≤0.20dB/km
		@1625	≤0.23dB/km
	Attenuation Non-uniformity	@1310nm,1550nm	≤0.05dB
	Point Discontinuity	@1310nm,1550nm	≤0.05dB
	Attenuation vs Wavelength	@1285nm~1330nm	≤0.03dB/km
		@1525nm~1575nm	≤0.02dB/km
	Zero Dispersion Wavelength		1304nm~1324nm
	Zero Dispersion Slope		≤0.092ps/(nm2 · km)
	Dispersion	@1550nm	≤18ps/(nm · km)
		@1625nm	≤ 22ps/(nm · km)
	PMD Link Design Value (m=20 Q=0.01%)		≤0.06ps√km
	Maximum Individual Fiber		≤0.1ps√km
	Cable Cut-off wavelength(λ cc)		≤1260nm
	Macro Bending Loss (1turns;Φ10mm)	@1550nm	≤0.50dB
		@1625nm	≤1.50dB
Dimensional Specifications	Mode Field Diameter	@1310nm	8.6 ± 0.4μm
		@1550nm	9.8 ± 0.5μm
	Fiber Curl Radius		≥4.0m
	Cladding Diameter		125 ± 0.7μm
	Core / Clad Concentricity		≤0.5μm
	Cladding Non-circularity		≤0.7%
	Coating Diameter		242 ± 5μm
	Coating / Cladding Concentricity		≤12μm
Mechanical Specifications	Proof Test		≥100kspi(0.7GPa)
Environment Specification 1310 & 1550 & 1625nm	Fiber Temperature Dependence	-60℃~ +85℃	≤0.05dB/km
	Temperature Humidity Cycling	-10℃~+85℃,up to 98%RH	≤0.05dB/km
	Heat Aging Induced Attenuation	85 ± 2℃	≤0.05dB/km
	Water Immersion Induced	23 ± 2℃	≤0.05dB/km
	Damp Heat	85℃ at 85% RH	≤0.05dB/km

ASKA COMMUNICATION CORP.
3034 NW 82ND AVE,DORAL, FL. 33122, U.S.A.
Phone: 954-708-2387 Email: sales@askacom.com
www.askscom.com

Fiber G.657 A2

Easy bend fiber characteristics (ITU-G.657A2)

Category	Description		Specifications
Optical Specifications	Attenuation	@1310nm	≤0.35dB/km
		@1383nm	≤0.30dB/km
		@1490nm	≤0.24dB/km
		@1550	≤0.20dB/km
		@1625	≤0.23dB/km
	Attenuation Non-uniformity	@1310nm,1550nm	≤0.05dB
	Point Discontinuity	@1310nm,1550nm	≤0.05dB
	Attenuation vs Wavelength	@1285nm-1330nm	≤0.03dB/km
		@1525nm-1575nm	≤0.02dB/km
	Zero Dispersion Wavelength		1304nm-1324nm
	Zero Dispersion Slope		≤0.092ps/(nm2 · km)
	Dispersion	@1550nm	≤18ps/(nm · km)
		@1625nm	≤ 23ps/(nm · km)
	PMD Link Design Value (m=20 Q=0.01%)		≤0.06ps√km
	Maximum Individual Fiber		≤0.2ps√km
	Cable Cut-off wavelength(λ cc)		≤1260nm
	Macro Bending Loss (1turns;Φ7.5mm)	@1550nm	≤0.40dB
		@1625nm	≤0.8dB
	Mode Field Diameter	@1310nm	8.6 ± 0.4μm
		@1550nm	9.6 ± 0.5μm
Dimensional Specifications	Fiber Curl Radius		≥4.0m
	Cladding Diameter		125 ± 0.7μm
	Core / Clad Concentricity		≤0.5μm
	Cladding Non-circularity		≤0.7%
	Coating Diameter		242 ± 5μm
	Coating / Cladding Concentricity		≤12μm
Mechanical Specifications	Proof Test		≥100kspi(0.7GPa)
Environment Specification 1310 & 1550 & 1625nm	Fiber Temperature Dependence	-60℃~+85℃	≤0.05dB/km
	Temperature Humidity Cycling	-10℃~+85℃;up to 98%RH	≤0.05dB/km
	Heat Aging Induced Attenuation	85 ± 2℃	≤0.05dB/km
	Water Immersion Induced	23 ± 2℃	≤0.05dB/km
	Damp Heat	85℃ at85% RH	≤0.05dB/km

ASKA COMMUNICATION CORP.
3034 NW 82ND AVE,DORAL, FL. 33122, U.S.A.
Phone: 954-708-2387 Email: sales@askacom.com
www.askscom.com

Fiber G. 657 B3

Easy bend fiber characteristics (ITU-G.657B3)

Category	Description		Specifications
Optical Specifications	Attenuation	@1310nm	≤0.35dB/km
		@1383nm	≤0.30dB/km
		@1490nm	≤0.24dB/km
		@1550	≤0.20dB/km
		@1625	≤0.23dB/km
	Attenuation Non-uniformity	@1310nm, 1550nm	≤0.05dB
	Point Discontinuity	@1310nm, 1550nm	≤0.05dB
	Attenuation vs Wavelength	@1285nm-1330nm	≤0.03dB/km
		@1525nm-1575nm	≤0.02dB/km
	Zero Dispersion Wavelength		1304nm-1324nm
	Zero Dispersion Slope		≤0.092ps/(nm2 · km)
	Dispersion	@1550nm	≤18ps/(nm · km)
		@1625nm	≤ 23ps/(nm · km)
	PMD Link Design Value (m=20 Q-0.01%)		≤0.06ps√km
	Maximum Individual Fiber		≤0.2ps√km
	Cable Cut-off wavelength(λ cc)		≤1260nm
	Macro Bending Loss (1turns; Φ5mm)	@1550nm	≤0.1dB
		@1625nm	≤0.3dB
	Mode Field Diameter	@1310nm	8.6 ± 0.4μm
		@1550nm	9.65 ± 0.5μm
Dimensional Specifications	Fiber Curl Radius		≥4.0m
	Cladding Diameter		125 ± 0.7μm
	Core / Clad Concentricity		≤0.5μm
	Cladding Non-circularity		≤0.7%
	Coating Diameter		242 ± 5μm
	Coating / Cladding Concentricity		≤12μm
Mechanical Specifications	Proof Test		≥100kspi(0.7GPa)
Environment Specification 1310 & 1550 & 1625nm	Fiber Temperature Dependence	-60℃~ +85℃	≤0.05dB/km
	Temperature Humidity Cycling	-10℃~+85℃;up to 98%RH	≤0.05dB/km
	Heat Aging Induced Attenuation	85 ± 2℃	≤0.05dB/km
	Water Immersion Induced	23 ± 2℃	≤0.05dB/km
	Damp Heat	85℃ at 85% RH	≤0.05dB/km

ASKA COMMUNICATION CORP.
3034 NW 82ND AVE,DORAL, FL. 33122, U.S.A.
Phone: 954-708-2387 Email: sales@askacom.com
www.askscom.com