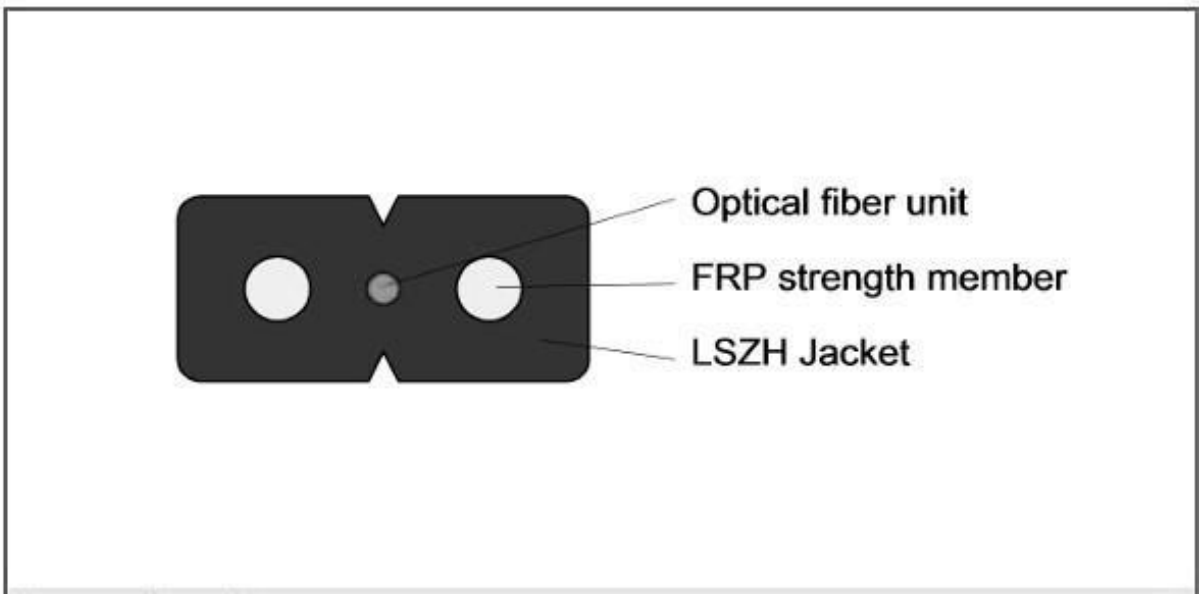
KDPA Drop cable

Features

- Special low-bend-sensitivity fiber provides high bandwidth and excellent communication transmission property
- Two parallel Fiber Reinforced Plastics (FRP) strength members ensure good performance of crush resistance to protect the fiber
- Single 250μm optical fiber or two 250μm optical fiber
- Simple structure, light weight and high practicability
- Novel flute design, easily strip and splice, simplify the installation and maintenance
- Low smoke zero halogen(LSZH) and flame-retardant sheath



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Description

The optical fiber unit is positioned in the center. Two parallel Fiber Reinforced Plastics (FRP) are placed at the two sides. Then, the cable is completed with a Low smoke zero halogen (LSZH) sheath.

Technical Data

Cable type		
Fiber count	1	2
Cable size	(2.0±0.1) × (3.0±0.1)	(2.0±0.1) × (3.0±0.1)
Cable Weight (Ref)(kg/km)	8	8.5
Tensile Strength Long/short term(N)	40/80	40/80
Crush resistance Long/short term(N/100mm)	500/1000	500/1000
Bending radius Static/Dynamic(mm)	15/30	15/30

Technical Data-Transmission

Fiber type		G657A2 (1310/1550nm)
Attenuation	Minimum	0.36/0.22
	Maximum	0.5/0.4
Zero Dispersion Slope		≤0.092 ps/km·nm2
Mode field Diameter		8.8±0.4μm
Cutoff wavelength cable		≤1260nm
Macro-bend induced attenuation (@1550nm) 1turn, 15mm diameter 1turn, 20mm diameter 10turn, 30mm diameter		 ≤0.5dB ≤0.1dB ≤0.03dB
Cladding diameter (μm)		125±1.0

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Optical Characteristics

Fiber Type	Attenuation				Overfilled launch bandwidth	Effective mode bandwidth	10 G Ethernet link length	Minimum bending radius
Condition	1310/1550nm		850/1300nm		850/1300nm	850nm	850nm	/
	Typical value	Maximum	Typical value	Maximum				
Unit	dB/km	dB/km	dB/km	dB/km	MHZ.km	MHZ.km	m	mm
G657A1	0.36/0.22	0.5/0.4	---	---	---	---	---	10
G657A2	0.36/0.22	0.5/0.4	---	---	---	---	---	7.5
OM3	---	---	3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	30
OM4	---	---	3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	30