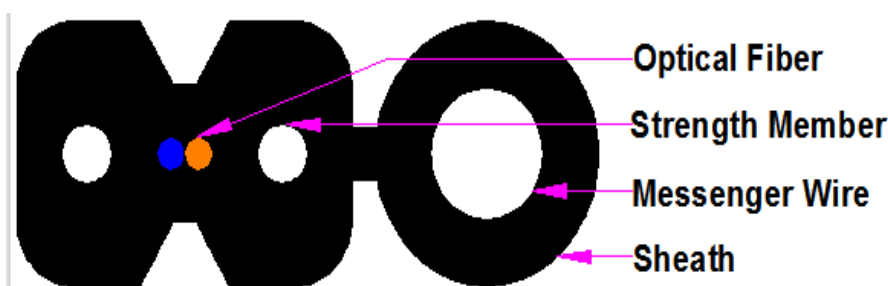


DW-0-FD-x-A2-LSOH-1000



DATAWAY self-supporting cable with LSOH Eca jacket (UV resistant) and G.657A2 fiber type is designed for outdoor and indoor use in FTTx systems. The cable is reinforced with aramid fibers, lightweight construction with a small diameter. The construction provides very good tensile properties and also allows easy cable routing and fixing.

1. (Cross section of cable):



2. (Optical fiber type and properties)

(Item)		Unit	Specification
			G. 657A2
Mode field diameter	1310nm	μm	8.6 ± 0.4
Cladding diameter		μm	125.0 ± 0.7
Cladding non-circularity		%	≤0.8
Coating diameter		μm	245 ± 10
Coating/cladding concentricity error		μm	≤12.5
Attenuation Coefficient	1310nm	dB/km	≤0.36
	1550nm	dB/km	≤0.22
7.5mm	1550nm	dB/km	≤0.5

Macro-bend loss (1 turn,7.5mm radius)	1625nm	dB/km	≤1.0
Proof stress level		kpsi	≥100

ITU-T G.657 (Other parameters meet standard ITU-T G.657)

3. (Cable performance)

(Item)		(Parameters)		
Fiber	Number of cores	2		4
	Color	Blue/Orange		Blue/Orange Green/Brown
Strength member	Material	FRP		
	Diameter (mm)	0.5		
Messenger wire	Material	Phosphating steel wire		
	Diameter (mm)	1.0		
Outer jacket	Material	LSZH		
	Color	Black		
Cable diameter (mm)		2.0±0.1*5.2±0.2		
Min.bending radius(Rip off the messenger wire)	Static	15mm		
	Dynamic	30mm		
Tensile performance	Short term	600N ≤0.1dB Additional attenuation≤0.1dB)		
Crush	Short term	2200N/100mm (≤0.1dB Additional attenuation≤0.1dB)		
Cable weight (kg/km)	Number of cores	1	2	4
	Weight (kg/km)	17.2	17.3	17.4

4. (Working condition)

(Item)	(Standard)	(Parameters)
Operation temperature	IEC 60794-1-2 F1	-5°C~+50°C