

Cable Name

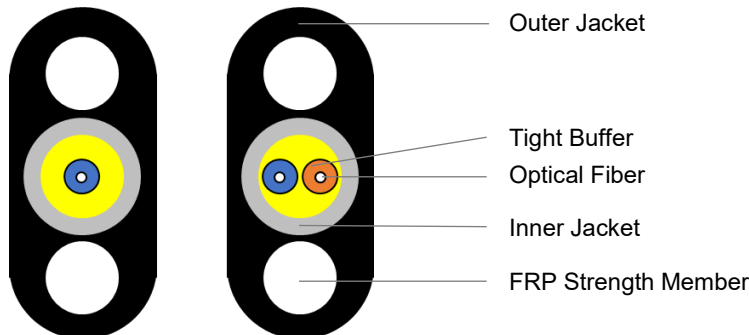
Tight-Buffered Flat Drop Cable

1~2 SMF ITU-T G.657.A1/A2/B3 Fibers

Part Number

LA-FD-21036TB-xx-yy-0M

xx: 01, 02 (fiber count); yy: A1, A2, B3



Standards

IEC 60794, ITU-T G.657.A1, A2, B3, RUS, TIA-598-C

Cable Construction and Features

- ◆ Flat drop cable with 1 or 2 900 micron (tight-buffered) optical fibers
- ◆ Two FRP strength members
- ◆ Aramid yarn(s) strength member inside inner jacket
- ◆ Black colored UV-resistant outer PE jacket
- ◆ 500 N operating tensile strength

Packaging

- ◆ 8,200 FT bulk reel made of plywood or 3,300 FT
- ◆ Dimension: 27.6" x 27.6" x 21.7" Gross Weight: 260 lbs/reel

Optical Fiber and Cable Specification

Optical Fiber	
Type of Fiber	ITU-T G.657.A1/A2/B3
Fiber Count	1~2
MFD @1310nm	G.657.A1: $8.9 \pm 0.4 \mu\text{m}$ G.657.A2: $8.6 \pm 0.4 \mu\text{m}$ G.657.B3: $8.9 \pm 0.4 \mu\text{m}$
Cladding Diameter	$125.0 \pm 0.7 \mu\text{m}$
Coating Diameter	$245 \pm 10 \mu\text{m}$
Cut-off Wavelength	$< 1260 \text{ nm}$
Max. Attenuation	$\leq 0.40 \text{ dB/km @ } 1310 \text{ nm}$ $\leq 0.30 \text{ dB/km @ } 1550 \text{ nm}$

Cable	
Outer Jacket & Outside Diameter (OD)	Black PE $(4.5 \times 8.2) \pm 0.5 \text{ mm}$
Tight Buffer	LSZH, blue/orange, $900 \pm 50 \mu\text{m}$
Inner Jacket	White LSZH, Aramid yarn(s) $3.0 \pm 0.1 \text{ mm}$
Weight	20 lbs/kft (45 kg/km)
FRP Strength Members	$1.5 \pm 0.1 \text{ mm}$ 2 ea
Tensile Strength	500 N (operation) 1,350 N (installation)
Bending Radius	10 x OD (static) 20 x OD (dynamic)
Temperature Range	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$