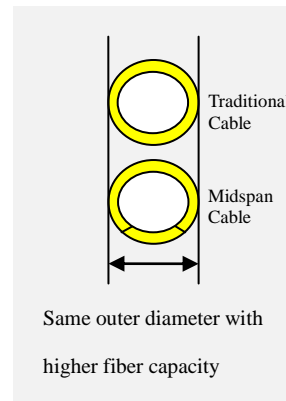




# High Fiber Count Branch-Lite™ Cable (Mid-Span)

## Product Features:

- High fiber count, light weight, flexible and compact design
- Easy Mid-span access
- Small outer diameter suitable for in-building wiring and building backbone
- Each fiber are individually strength enhanced with aramid yarn and jacket
- Coloured subunit for easy identification
- Low smoke zero halogen sheath
- Complies with
  - IEC 60793-1 & 2, IEC 60794-2, EIA/TIA 598
  - Flame propagation IEC 60332-1 & 3C
  - Gas Emission IEC 60754-1 & 2
  - Smoke Emission IEC 61034
  - Flammability ASTM D-2863, ISO 4589



## Optical Characteristic:

Design Registration No.: 1401735.6

It conforms to the requirement of ITU-T G.652D, G.657A1/A2.

Patent pending

Parameter	Condition	Value	
Fiber		G.652D	G.657A1 / A2
Attenuation	@1310nm	≤ 0.40dB/km	
	@1550nm	≤ 0.30dB/km	
Zero Dispersion Wavelength		1300~1324nm	
Zero Dispersion Slope		≤ 0.092ps/nm <sup>2</sup> .km	
Cutoff Wavelength		≤ 1260nm	
Mode Field Diameter(MFD)	@1310nm	9.2 ± 0.4μm	
Chromatic Dispersion	@1288 – 1339nm	≤ 3.5 ps/nm.km	
	@1550nm	≤ 18 ps/nm.km	
Macro bending Loss	100turns;Φ50mm @1550nm	≤ 0.05dB	-
	100turns;Φ50mm @1625nm	≤ 0.10dB	-
	1turn;Φ30mm @1550nm	-	≤ 0.03dB
	1turn;Φ30mm @1625nm	-	≤ 0.10dB
	1turn;Φ20mm @1550nm	-	≤ 0.10dB
	1turn;Φ20mm @1625nm	-	≤ 0.20dB
	1turn;Φ15mm @1550nm	-	≤ 0.50dB
	1turn;Φ15mm @1625nm	-	≤ 1.00dB
Fiber Curl Radius		≥ 4m	
Cladding Diameter		125 ± 1μm	
Coating Diameter		245 ± 10μm	



## Mechanical Characteristic:

Parameter		Value							
Fiber Count		24	48	72	96	100	144	216	288
Fiber No. per Modules		4					12		
No. of Modules		6	12	18	24	25	12	18	24
Module Diameter		Φ900 μm					1.5mm		
Cable Diameter		5.7mm	7.5 mm	8.2 mm	8.9 mm		9.1mm	11.6mm	
Cable Weight		34 kg/km	45 kg/km	55 kg/km	63 kg/km		71 kg/km	90kg/km	111 kg/km
Sheath Material		LSZH							
Strength Member		Aramid Yarn							
Max. Allowable Pulling Force		800 N ~ 2500 N							
Crush resistance		1500 N/10cm							
Minimum Bending Radius	Static	10D							
	Dynamic	20D							
Temperature	Operation	-5°C ~+60°C							
	Installation	0°C ~+40°C							

## Module and fiber color code scheme:

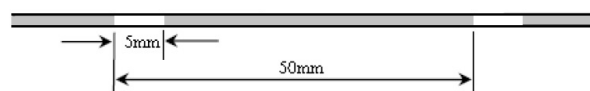
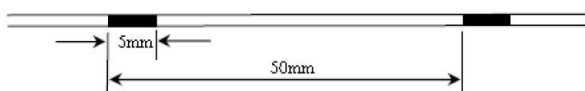
It conforms to the requirement of EIA/TIA 598B.

Color Coding		Blue	Orange	Green	Brown	Grey	White	Red	Black	Yellow	Violet	Pink	Aqua	
Module color	48F 144F	/	1	2	3	4	5	6	7	8	9	10	11	12
	*72F *96F *288F	1-12 same as 12 fiber unit	13 Blue ◎	14 Orange ●	15 Green ◎	16 Brown ◎	17 Grey ◎	18 White ●	19 Red ●	20 Black ◎	21 Yellow ●	22 Violet ◎	23 Pink ●	24 Aqua ●
	Fiber color	1	2	3	4	5	6	7	8	9	10	11	12	

\* Black/White stripes in 5mm long & 50mm apart

● = with black strip

◎ = with white stripes



## Ordering Information:

Order No.	Description	Remark
INF1314 – XXYYZ	High Fiber Count Branch-Lite™ (Mid span) Cable	-
INF1314 – 48D2S	48-core G652D LSZH High Fiber Count Branch-Lite™ (Mid span) Cable	Example
INF1314 – 48D1S	48-core G657A1 LSZH High Fiber Count Branch-Lite™ (Mid span) Cable	Example
INF1314 – 48A2S	48-core G657A2 LSZH High Fiber Count Branch-Lite™ (Mid span) Cable	Example

XX= Fiber count ( 04 ~ 288 ) / YY= Fiber Type ( D2 : G652D ; A1 : G657A1 ; A2 : G657A2 ; M1 : OM1 ; M2 : OM2 ; M3 : OM3 ; M4 : OM4 ) / Z= Sheath ( S : LSZH ; V : PVC )