

# Loose Tube Cable - SJNA

## Single Jacket Non-Armored



Loose Tube Cable - SJNA  
LN30

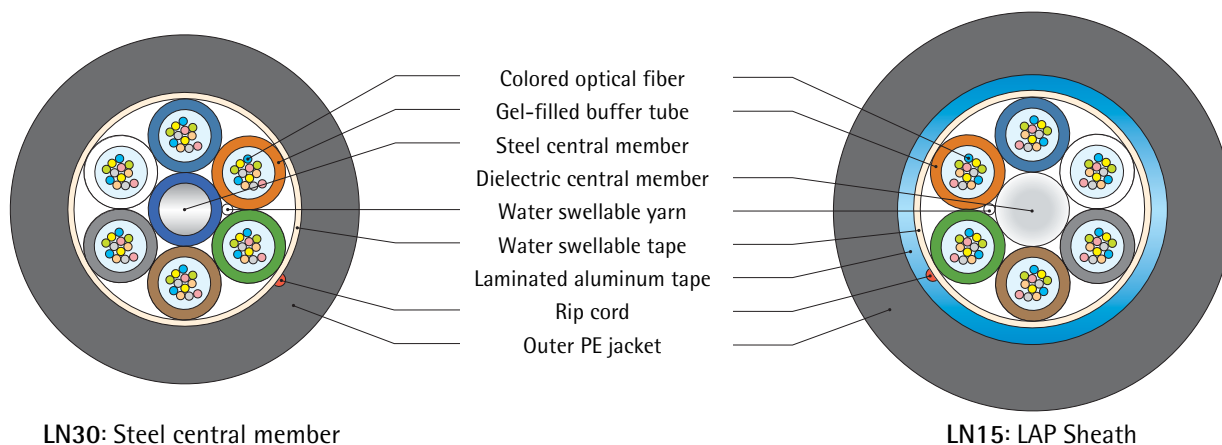
### Description

SAMSUNG Single Jacket Non-Armored cables are lightweight with small diameter and designed for duct and aerial installation with lashing method. The loose tube design with a metallic strength member for LN30 or an aluminum tape for LN15 provides stable performance over a wide temperature range and is compatible with any telecommunication grade optical fiber.

### Feature / Benefit

- Up to 432 fibers
- Proven loose tube design for performance
- SZ stranding design allows for easy mid-span access and isolate fibers from installation and environmental rigors
- Drycore design for excellent water blocking performance and easier handling
- Small diameter and lightweight
- Polyethylene jacket is easy to strip, rugged and durable
- Designed in accordance with applicable industry technical specifications, standards and references including IEC and EN
- Moisture barrier with aluminum/polymer laminated tape (LN15)

### Cable Drawing



\* Drawings are not to scale

## Mechanical Performance

Crush resistance : 2,000 N/10 cm  
 Temperature : - Operation/Storage : -40 ~ +70 °C  
 - Installation : -20 ~ +70 °C

LN30

Characteristics	Fiber Count							
	Unit	2 ~ 36	2 ~ 48	2 ~ 72	96	96	144	288
Tube type (fibers per tube)	-	B(6)	C(8)	D(12)	C(8)	D(12)	D(12)	D(12)
Nominal outer diameter	mm	10.4	10.4	10.4	14.4	11.7	14.6	17.1
Nominal cable weight	kg/km	98	98	99	173	120	182	237
Maximum tensile load	N	2700	2700	2700	3400	2700	3600	4000
<b>Minimum bending radius</b>								
- Short term [Loaded] : 15*OD	mm	156	156	156	216	176	219	257
- Long term [Installed]: 10*OD	mm	104	104	104	144	117	146	171

LN15

Characteristics	Fiber Count							
	Unit	2 ~ 36	2 ~ 48	2 ~ 72	96	96	144	288
Tube type (fibers per tube)	-	B(6)	C(8)	D(12)	C(8)	D(12)	D(12)	D(12)
Nominal outer diameter	mm	10.8	10.8	10.8	15.0	12.3	15.2	17.7
Nominal cable weight	kg/km	99	99	99	185	128	195	253
Maximum tensile load	N	1500	1500	1500	2700	2000	3000	3500
<b>Minimum bending radius</b>								
- Short term [Loaded] : 15*OD	mm	162	162	162	225	185	228	266
- Long term [Installed]: 10*OD	mm	108	108	108	150	123	152	177

\* Tested in accordance with IEC 60794-1

## Note

- Fiber colors by IEC60304: Blue/Orange/Green/Brown/Grey/White/Red/Black/Yellow/Violet/Pink/Aqua
- Diameter represents a nominal value and may vary by  $\pm 5\%$ .
- Sheath marking legend: hot foil stamp(indented)

Ex) Manufacturing year (ex. 2003)    SAMSUNG    SJNA    SM 24    = length marking =

## Ordering

LN30 -  -  -   
 LN15

<input type="text"/>	Fiber count	002~432
<input type="text"/>	Tube type	A 4 fibers    B 6 fibers    C 8 fibers    D 12 fibers
<input type="text"/>	Fiber type	S Single mode: Max. 0.38/0.25 dB/km @ 1310/1550 nm M 50/125 $\mu$ m: Max. 3.0/1.0 dB/km, 500/500 Mhz-km @ 850/1300 nm L 62.5/125 $\mu$ m: Max. 3.5/1.5 dB/km, 200/500 Mhz-km @ 850/1300 nm U NZ-DSF: Max. 0.25 dB/km @ 1550 nm

Samsung Electronics reserves the right to improve, enhance and modify the features and specifications of Samsung Electronics fiber optic products without prior notification.

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