

Loose Tube Cable - **SJSA** Single Jacket Single Armored

Description

SAMSUNG Single Jacket Single Armored cables are lightweight, small diameter and designed for direct burial, duct and aerial installation with lashing method. The loose tube design with a steel tape armoring provides rigid protection, rodent resistance, stable performance over a wide temperature range and is compatible with any telecommunication grade optical fiber.

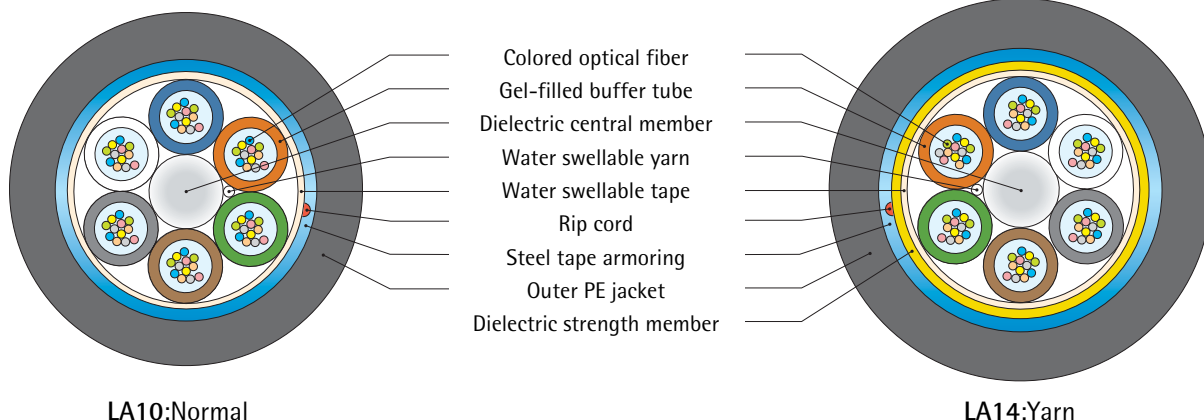
Feature / Benefit

- 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
- Rodent resistance
- Small diameter and lightweight
- Designed in accordance with applicable industry technical specifications, standards and references including IEC and EN
- High strength with peripheral dielectric strength members (LA14)



Loose Tube Cable - SJSA
LA10

Cable Drawing



LA10:Normal

LA14:Yarn

* Drawings are not to scale

Mechanical Performance

Crush resistance : 3,000 N/10 cm
 Temperature : - Operation/Storage : -40 ~ +70 °C
 - Installation : -20 ~ +70 °C

LA10

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	11.2	11.2	11.2	15.4	12.7	15.6	18.1
Nominal cable weight	kg/km	127	128	128	228	160	234	300
Maximum tensile load	N	1800	1800	1800	3000	2400	3200	4000
Minimum bending radius								
- Short term [Loaded] : 15*OD	mm	168	168	168	231	191	234	272
- Long term [Installed]: 10*OD	mm	112	112	112	154	127	156	181

LA14

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	11.6	11.6	11.6	15.8	13.1	16.0	18.5
Nominal cable weight	kg/km	136	136	136	237	170	247	315
Maximum tensile load	N	2200	2200	2200	3600	3000	4200	4500
Minimum bending radius								
- Short term [Loaded] : 15*OD	mm	174	174	174	237	197	240	278
- Long term [Installed]: 10*OD	mm	116	116	116	158	131	160	185

* 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 SJSA SM 24 = length marking =

Ordering

LA10 - - -
 LA14

<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 μ m: Max. 3.0/1.0 dB/km, 500/500 Mhz-km @850/1300 nm L 62.5/125 μ 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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