

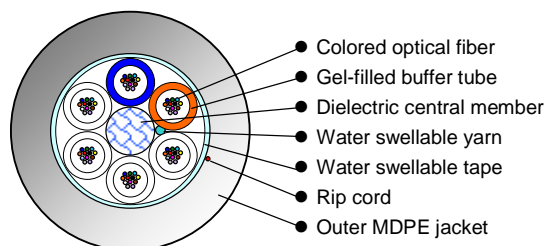
Loose Tube Cable – SJAD

Single Jacket All-Dielectric

Drawing No: LN10
October 2003

Description

SAMSUNG Single Jacket All Dielectric cables are lightweight, small diameter and designed for duct and aerial (lashed) installation. The loose tube design provides stable performance over a wide temperature and is compatible with any telecommunication grade optical fibre.



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

Cable Drawing *Drawing is not to scale

Mechanical Performance

Characteristics	Unit	Fibre Count							
		2 ~ 36	2 ~ 48	2 ~ 72	96	96	144	288	
Tube type	-	B	C	D	C	D	D	D	
Fibres per tube	-	6	8	12	8	12	12	12	
Nominal outer diameter	mm	10.2	10.2	10.2	14.4	11.7	14.6	17.1	
Nominal cable weight	kg/km	80	75	75	160	105	165	220	
Maximum tensile load	N	1500	1500	1500	2600	2200	2700	2700	
Minimum bending radius									
- Short term [Loaded]: 15*OD	mm	153	153	153	216	176	219	257	
- Long term [Installed]: 10*OD	mm	102	102	102	144	117	146	171	
Crush resistance	N/10cm	2,000							
Temperature									
- Operation/Storage	°C	-40 ~ +70							
- Installation		-20 ~ +70							

*Tested in accordance with IEC 60794-1

Note

- Fibre and tube colors by IEC 60304: Blue/Orange/Green/Brown/Grey/White/Red/Black/Yellow/Violet/Rose/Aqua
- Diameter represents a nominal value and may vary by $\pm 5\%$.
- Sheath marking legend: hot foil stamp (indented)

Ex) Manufacturing year (ex. 2003) OPTILAN - SAMSUNG SJAD SM 24 = length marking =

Ordering

LN10 - □□□□ - □□□
 ① Fibre count: 002-432
 ② Tube type: A (4fibres) B (6fibres) C (8fibres) D (12fibres)
 ③ Fibre type: S (single mode: Max. 0.38/0.25dB/Km @ 1310/1550nm)
 M (50/125µm: Max. 3.0/1.0dB/Km, 500/500Mhz.Km @ 850/1300nm)
 L (62.5/125µm: Max. 3.5/1.5 dB/Km, 200/500Mhz.Km @ 850/1300nm)
 U (NZ-DSF: Max. 0.25 @ 1550nm)