

Uni-tube Cable Non-Armored Design

SAMSUNG Unitube, Non-Armored Cable(**SC-LUN**) offers the same degree of mechanical and environmental characteristics as the multi-tube design, but the single loose tube

design provides a flexible and versatile solution where space limitations are of concern. This cable is designed for duct and aerial applications in real world installations.



Uni-tube Cable
(Non-Armored Design)

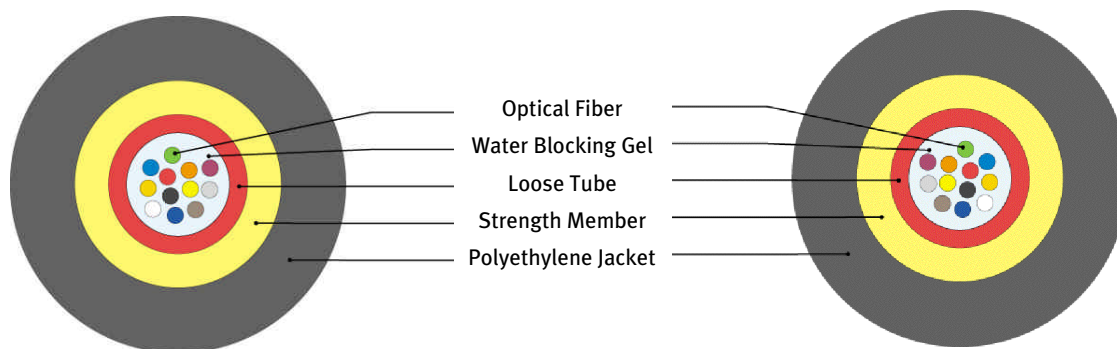
SC-LUN

FEATURES / BENEFITS

- Fiber counts up to 12
- Light weight
- Small diameter
- Easy mid-span access
- Colored fibers for quick identification
- UV-resistant outer jacket
- Robust yet easy-to-strip Medium Density PE outer jacket
- Complies with Telcordia GR-20-CORE and TIA/EIA standards
- Various strength members (Steel, FRP rod or Aramid Yarn)
- Custom designs are available on request

APPLICATIONS

- Interbuilding Network, Campus LAN
- Drop Cables
- Distribution



MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

Item Number	Max. Load (N)		Min. Bending Radius (mm)		Temperature (°C)		Crush Resistance (N) (/100 mm)	Impact Resistance (Impacts) (@ 3 N.m)	Water Penetration (m) (/24 hrs)
	Installing	Operating	Installing	Operating	Installing	Operating			
LUN-WMS-XX-T5N	1500	900	15 x Dia.	10 x Dia.	-20 ~ +60	-20 ~ +70	2200	20	1

CABLE WEIGHT & DIAMETER

Single Loose Tube with steel or FRP

Item Number	Fibers	Nom. Outer Dia.		Nom. Weight		Max. Reel Length	
		mm	inch	kg/km	lbs/1000 ft	km	ft
LUN-WMS-04-T5N	4	8.7	0.34	74	49	6	20,000
LUN-WMS-06-T5N	6	8.7	0.34	74	49	6	20,000
LUN-WMS-08-T5N	8	8.7	0.34	74	49	6	20,000
LUN-WMS-12-T5N	12	8.7	0.34	74	49	6	20,000

Single Loose Tube with Aramid Yarn

Item Number	Fibers	Nom. Outer Dia.		Nom. Weight		Max. Reel Length	
		mm	inch	kg/km	lbs/1000 ft	km	ft
LUN-WMS-04-T5Y	4	8.5	0.33	84	56	6	20,000
LUN-WMS-06-T5Y	6	8.5	0.33	84	56	6	20,000
LUN-WMS-08-T5Y	8	8.5	0.33	84	56	6	20,000
LUN-WMS-12-T5Y	12	8.5	0.33	84	56	6	20,000

ORDERING INFORMATION

LUN - - ^{Fiber Counts} **XX** -

1 Sheath Construction

F : Single Jacket None Armor + FRP Rod
W : Single Jacket None Armor + Steel Wire
N : Single Jacket None Armor + No Rod

2 Sheath Material

M : MDPE **H** : HDPE **F** : Flame Retardant PE **Z** : LSZH

3 Fiber Type

S : SMF **M** : MM50/125 **L** : MM62.5/125
N : NZDSF **H** : Hybrid

5 Max. Attenuation

T : 0.35/0.25 dB/km (1310/1550 nm, SMF)
A : 0.40/0.30 dB/km (1310/1550 nm, SMF)
M : 2.5/0.7 dB/km & 500/500 MHz-km (850/1300 nm, MM50/125)
H : 2.7/0.8 dB/km & 500/500 MHz-km (850/1300 nm, MM50/125)
L : 3.0/0.8 dB/km & 160/500 MHz-km (850/1300 nm, MM62.5/125)
C : 3.2/1.0 dB/km & 160/500 MHz-km (850/1300 nm, MM62.5/125)
N : 0.25 dB/km (1550 nm, NZDSF)

6 Tensile Load

1 : 1000 N **5** : 1500 N **7** : 2700 N **X** : special

7 Peripheral Strength Member

N : None **G** : Glass Yarn **Y** : Aramid Yarn

SAMSUNG STANDARD : LUN - WMS - XX - T5N

- Uni-tube Design, single Jacket Non-Armored Cable
- 2 Dielectric strength members
- Tensile load : Max. 1500 N

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