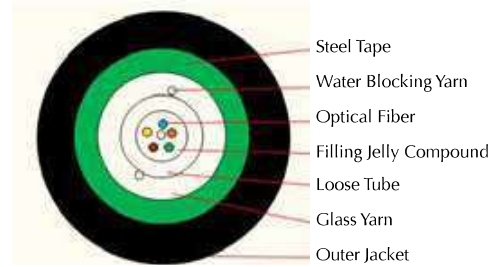


**Unitube Armored Cable – Outdoor**



OPTICAL SYSTEMS

Applied to outdoor and directly buried installations - Designed for outdoor and direct buried type application and also to protect the optical fiber from unexpected mechanical and environmental conditions. Qualification and acceptance tests are performed to assure the optical cable's performance and durability in several environments.

**Features / Benefits**

- Outdoor & Direct buried Type, Fiber counts up to 12
- Cable Type – OS2/OM1/OM2/OM3/OM4
- Unitube w/glass yarn or Aramid Yarn strength member, PE/LSOH
- Light weight
- High tensile strength design
- Dry core design
- Small diameter
- Colored fiber for quick identification
- UV resistance for the outer sheath

**Applications**

- Building interconnection
- Campus
- Local Area Network

**Dimensions of cable constructions**

Fiber count	Structure	Fibers per tube	Cable diameter (mm)
4	Unitube	4	7.7±0.5
6	Unitube	6	7.7±0.5
8	Unitube	8	7.7±0.5
12	Unitube	12	7.7±0.5

**Cable performance**

Item	Parameters	
Loose tube	Material	PBT
	Color	White
Strength member	Material	Glass yarn
armoured	Material	Plastic coated Steel tape
Outer jacket	Material	MDPE
	Color	Black
Min. bending radius	Static	10 times cable diameter
	Dynamic	20 times cable diameter
Repeating bending	Load:150N;number of cycles:30 No obvious addition attention, no fiber break and no cable damage.	
Tensile performance	Short term	800N IEC60794-1-2-E1
	Long term	300N IEC60794-1-2-E1
Crush	Short term	1000N/100mm IEC60794-1-2-E3
	Long term	300N/100mm IEC60794-1-2-E3
Torsion	Load:150N; number of cycles:10; twist angle:±180 No obvious addition attention, no fiber break and no cable damage	
Impact	Impact energy:450gx1m; radius of hammer head:12.5mm; number of impact: 20 No obvious addition attention, no fiber break and no cable damage.	
Cable attenuation	≤ 0.36dB/km at 1310nm, ≤ 0.22dB/km at 1550nm	

**ORDERING INFORMATION**

Note:508xxxxx-Denotes LSOH Sheath

NO OF FIBERS	9/125 (OS2)	62.5/125 (OM1)	50/125 (OM2)	50/125 (OM3)	50/125 (OM4)
4	507130043	507330043	507230043	507470043	507570043
6	507130063	507330063	507230063	507470063	507570063
8	507130083	507330083	507230083	507470083	507570083
12	507130123	507330123	507230123	507470123	507570123