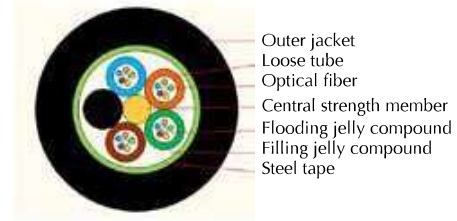


Multitube Armored Direct Buried Cable – Outdoor

Direct buried and/or duct type installation for highly reliable industrial applications. Designed for outside applications, and specifically 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

- Fiber counts up to 288
- Cable Type – OS2/OM1/OM2/OM3/OM4
- Multitube, steel armored w/central steel wire strength member PE sheath
- High tensile strength design
- Fibers per loose tube 1-12
- Gel filled cable core for water resistance
- Dry core design is also possible for water resistance
- upon customer request
- Suitable for duct applications
- Colored fiber for quick identification
- UV resistance for the outer Sheath
- High fiber count to diameter ratio
- Ripcord for easy strip outer sheath

Applications

- Telecommunication applications
- Video applications
- Distribution
- Long Haul Communication and
- Metropolitan Communication Systems

Dimensions of cable constructions

Fiber count	Structure	Fibers per tube	Cable diameter (mm)	Cable weight (kg/km)
6	1+5	6	9.2 ±0.5	76
12	1+5	6	9.2 ±0.5	76
18	1+5	6	9.2 ±0.5	77
24	1+5	6	9.2 ±0.5	77
30	1+5	6	9.2 ±0.5	78
36	1+6	6	9.6 ±0.5	91
48	1+5	12	10.0±0.5	88
60	1+5	12	10.0 ±0.5	89
72	1+6	12	10.7 ±0.5	112
84	1+7	12	11.4 ±0.5	121
96	1+8	12	12.0 ±0.5	132
108	1+9	12	12.6 ±0.5	144
120	1+10	12	13.2 ±0.5	156
132	1+11	12	13.9 ±0.5	171
144	1+12	12	14.5 ±0.5	185

Cable performance

Item	Parameters	
Loose tube	Material	PBT
	Color	Full color
Filler	Material	PE
	Color	Black
CSM	Material	Phosphating steel wire
Armored	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	1500N IEC60794-1-2-E1
	Long term	600N 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 450g×1m; 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

NO OF FIBERS	9/125 (OS2)	62.5/125 (OM1)	50/125 (OM2)	50/125 (OM3)	50/125 (OM4) (OM4)
4	507170043	507370043	507270043	507470043	507570043
6	507170063	507370063	507270063	507470063	507570063
8	507170083	507370083	507270083	507470083	507570083
12	507170123	507370123	507270123	507470123	507570123
24	507170243	507370243	507270243	507470243	507570243
36	507170363	507370363	507270363	507470363	507570363
48	507170483	507370483	507270483	507470483	507570483
72	507170723	507370723	507270723	507470723	507570723
96	507170963	507370963	507270963	507470963	507570963
144	507171443	507371443	507271443	507471443	507571443

Note:508xxxxx-Denotes LSOH Sheath