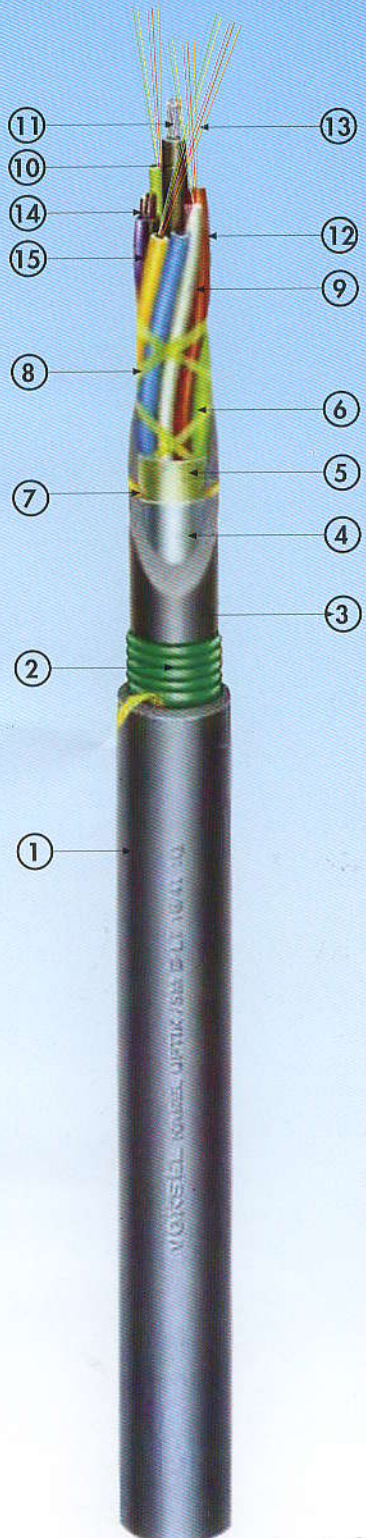




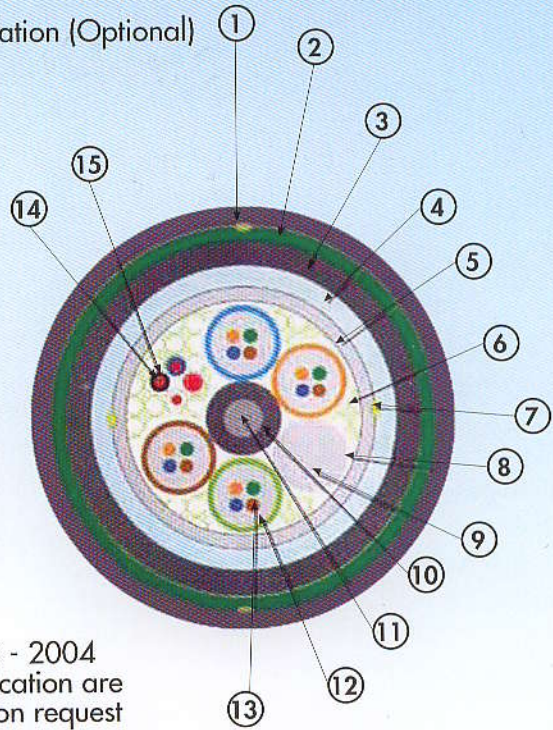
PT VOKSEL ELECTRIC Tbk

OPTICAL FIBER CABLE FOR DIRECT BURIED INSTALLATION

This optical fiber cable with a corrugated steel tape or steel wire armouring for protection. They can used as direct buried, anti ballistic, anti rodent, anti termite cables whenever mechanical strength is required. This cable is loose tube core.



1. HDPE Outer Strength
2. Corrugated Steel tape/Two Steel Tapa Armour
3. PE Inner Sheath
4. Laminated Aluminium Polyethylene Tape
5. Water Blocking Tape
6. Jelly Filled Interstices
7. Ripcord
8. Peripheral Strength Member (Aramid Yarn)
9. Filler Rod
10. PE Strength Member Jacket
11. Steel Rod for Central Strength Member
12. Gel Filled PBTP Color Coded Tube
13. Single Mode Color Coded Optical Fiber
14. Quad Twisted Copper Conductor (Optional)
15. PE Insulation (Optional)



References : STEL K - 016 - 2004
Other specification are available upon request

TYPICAL SPECIFICATION

Construction

Item	Number of Fiber			
	4 - 16	6 - 36	24 - 72	60 - 96
Loose Tubes Number	6	6	6	8
Fiber Number per Loose Tube	4	6	12	12
Max. Tube OD (mm)	2.2	2.5	3.5	3.5
Max. Cable Outer Diameter	17	17	19	20

Fiber Count	Loose Tubes Number					
	1	2	3	4	5	6
4	4	Filler	Filler	Filler	Filler	Quad/Filler
6	6	Filler	Quad/Filler	Filler	Filler	Quad/Filler
12	4	4	Quad/Filler	Filler	4	Quad/Filler
12	6	Filler	Quad/Filler	6	Filler	Quad/Filler
16	4	4	Quad/Filler	4	4	Quad/Filler
18	6	6	Quad/Filler	Filler	6	Quad/Filler
24	6	6	Quad/Filler	6	6	Quad/Filler
24	12	Filler	Quad/Filler	12	Filler	Quad/Filler
36	6	6	6	6	6	6
36	12	12	Quad/Filler	Filler	12	Quad/Filler
48	12	12	Quad/Filler	12	12	Quad/Filler
60	12	12	12	12	12	Quad/Filler
72	12	12	12	12	12	12

Fiber Count	Loose Tubes Number							
	1	2	3	4	5	6	7	8
60	12	12	Filler	Quad/Filler	12	12	12	Quad/Filler
72	12	12	12	Quad/Filler	12	12	12	Quad/Filler
84	12	12	12	12	12	12	12	Quad/Filler
96	12	12	12	12	12	12	12	12

Mechanical Characteristic

Property	Loose Tubes Number					Unit
	4 - 16	18 - 36	48	60 - 72	84 - 96	
Tensile Strength	> 3000	> 3000	> 3000	> 3000	> 3000	N
Crush Resistance	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5	≥ 4.5	KN/100mm
Max. Weight	± 326	± 466	± 467	± 471	± 473	Kg/Km
Min. Bending	≤ 250	≤ 270	≤ 300	≤ 300	≤ 300	mm