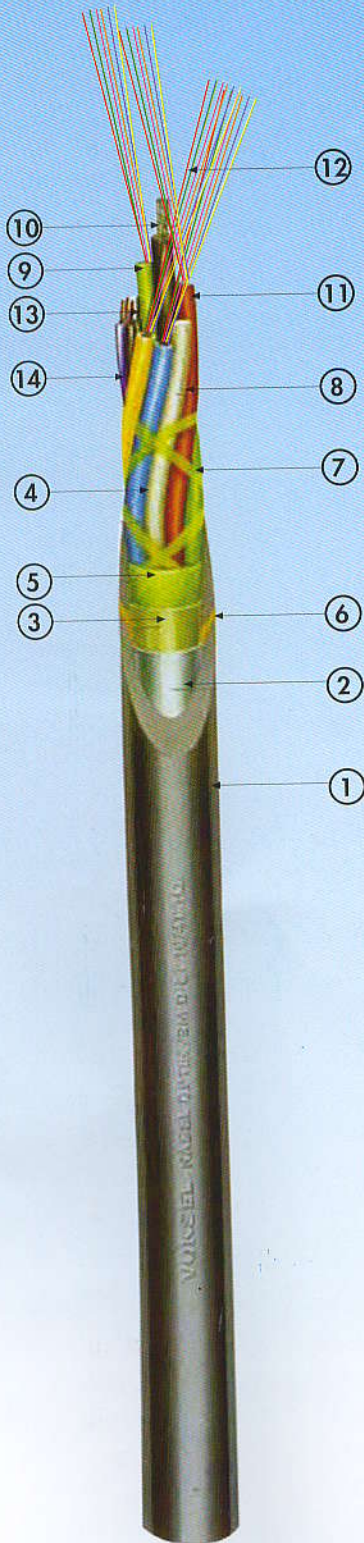




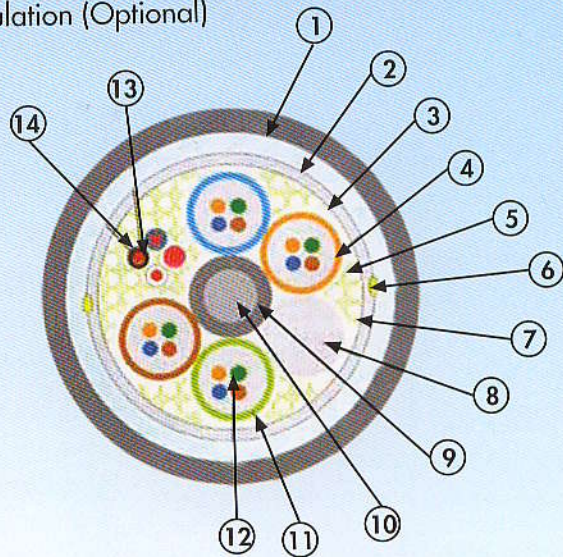
PT VOKSEL ELECTRIC Tbk

OPTICAL FIBER CABLE FOR DUCT INSTALLATION

The duct optical fiber cable is with loose tube core, it is quite suitable to the system requiring more optical cable fibers. The fibers are accommodated in jelly filled tubes with an excess length. If a flame retardant characteristic is required, a special material can be applied as the outer Sheath.



1. PE Sheath
2. Laminated Aluminium Polyethylene Tape
3. Water Blocking Tape
4. Jelly Filled Interstices
5. Peripheral Strength Member (Aramid Yarn)
6. Rip Cord
7. Binder
8. Filled Rod
9. PE Strength Member Jacket
10. Steel Rod for Central Strength Member
11. Gel Filled PBTP Color Coded Tube
12. Single Mode Color Coded Optical Fiber
13. Quad Twisted Copper Conductor (Optional)
14. PE Insulation (Optional)



References : STEL K - 015 - 2004
Other specifications 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	13	14	17	18

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
8	4	Filler	Quad/Filler	4	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	± 172	± 273	± 275	± 278	± 281	Kg/Km
Min. Bending (No Load)	≤ 130	≤ 140	≤ 150	≤ 175	≤ 180	mm
Min. Bending (Under Load)	≤ 260	≤ 280	≤ 300	≤ 350	≤ 360	