



ISO 9001 Certified



CLT Cable

Characteristics	CLT			Break-out Design			FIG 8		
Construction Parameters and Material Types									
Fiber Count	up to 12			up to 12			up to 12		
Peripheral strenght member				01/02 wire non metallic	01 steel wire	02 steel wire			
Steel Tape	with/without Steel Tape			Optional With Steel Tape Without Steel Tape			with/without Steel Tape		
Sheath material	HDPE/LDPE			HDPE/LDPE			HDPE/LDPE		
Sheath Thickness,mm	2 to 3			2 to 3			2 to 3		
Cable Diameter,mm	8 to 12			8 to 12			8 to 12		
Cable Weight, Kg / km	70 to 100			70 to 100			70 to 100		
Delevery Length, meter	2,000, 4,000 and 6,000			2,000, 4,000 and 6,000			2,000, 4,000 and 6,000		
Optical Fiber Characteristics									
Fiber Type	SM	MM		SM	MM		SM	MM	
Core dia,µm	8.5 (nominal)	62.5 ± 3	50 ± 3	8.5 (nominal)	62.5 ± 3	50 ± 3	8.5 (nominal)	62.5 ± 3	50 ± 3
Core non-circulatory,%	--	≤	≤	--	≤	≤	--	≤	≤
Cladding / Coating Diameter, µm	125 ± 2	125 ± 2	125 ± 2	125 ± 2	125 ± 2	125 ± 2	125 ± 2	125 ± 2	125 ± 2
Coating Diameter, µm	245 ± 10	245 ± 10	245 ± 10	245 ± 10	245 ± 10	245 ± 10	245 ± 10	245 ± 10	245 ± 10
Tight Buffer dia	900 ± 5	900 ± 50	900 ± 50	900 ± 5	900 ± 50	900 ± 50	900 ± 5	900 ± 50	900 ± 50
Clad non-circulatory,%	1	1	1	1	1	1	1	1	1
Band width at 850 nm, MHz.km	--	≥ 170	≥ 350	--	≥	≥	--	≥ 170	≥ 350
Band width at 1300 nm, MHz.km	--	≥ 400	≥ 500	--	≥	≥	--	≥ 400	≥ 500
Cable fiber cut-off,nm	≤1260	--	--	≤	--	--	≤1260	--	--
Max. att. Single cabled Fiber 1310/1550, dB/km	≤ 1.0 / 0.1	--	--	≤	--	--	≤ 1.0 / 0.1	--	--
Average att of cable,dB/km	≤ 0.7 / 0.7	--	--	≤	--	--	≤ 0.7 / 0.7	--	--
Max. att. Single cabled Fiber 850/1300, dB/km	--	≤ 3.75 / 1.5	≤ 3.5 / 1.5	--	≤	≤	--	≤ 3.75 / 1.5	≤ 3.5 / 1.5
Average att of cable,dB/km	--	≤ 3.0 / 1.0	≤ 3.0 / 1.0	--	≤	≤	--	≤ 3.0 / 1.0	≤ 3.0 / 1.0
Machinical & Enviromental Characteristics									
	Distribution			Distribution			Distribution		
Tenstile strenght, Newton	2,000 to 3,000			2,000 to 3,000			2,000 to 3,000		
Crush Strenght, Newton	2,000 to 2,500			2,000 to 2,500			2,000 to 2,500		
Impact, points	5			5			5		
Repeated Bending, cycles	300			300			300		
Minimum Bending diameter,mm	20xOD			20xOD			20xOD		
Temperature cycling,cycles	5			5			5		
Operating Temperature, °C	-10 to +70			-10 to +70			-10 to +70		
Application Standards	IEC 794-1			IEC 794-1			IEC 794-1		

**Customised designs are available on request*

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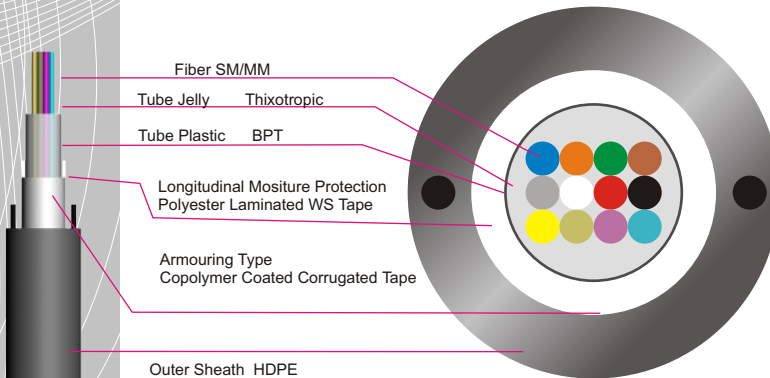
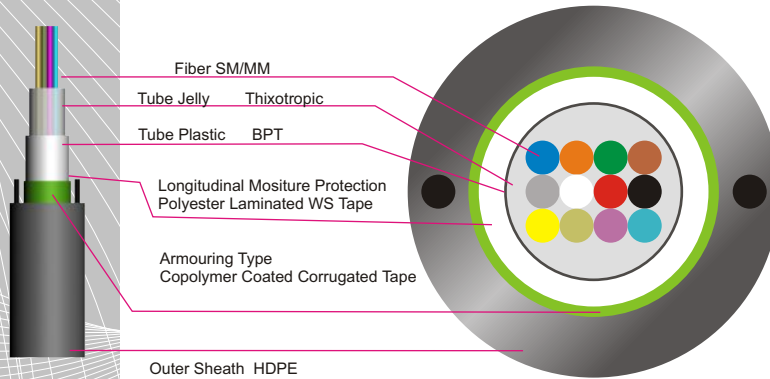
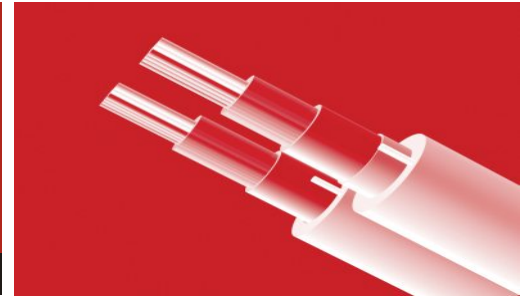




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Cables



FEATURES & APPLICATIONS

- Fiber to home
- Mountainous terrain
- Rural communications
- Light weight
- Self supporting
- Water tight
- All dielectric

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