



ISO 9001 Certified



# CLT Cable

Characteristics	CLT			Break-out Design			FIG 8		
<b>Construction Parameters and Material Types</b>									
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		
<b>Optical Fiber Characteristics</b>									
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
<b>Machinical &amp; Enviromental Characteristics</b>									
	<b>Distribution</b>			<b>Distribution</b>			<b>Distribution</b>		
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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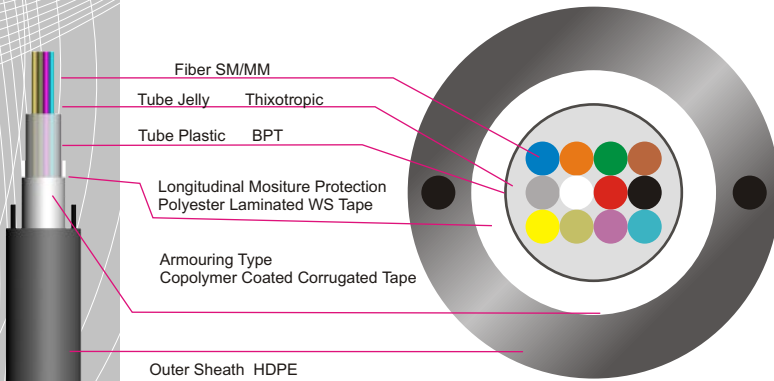
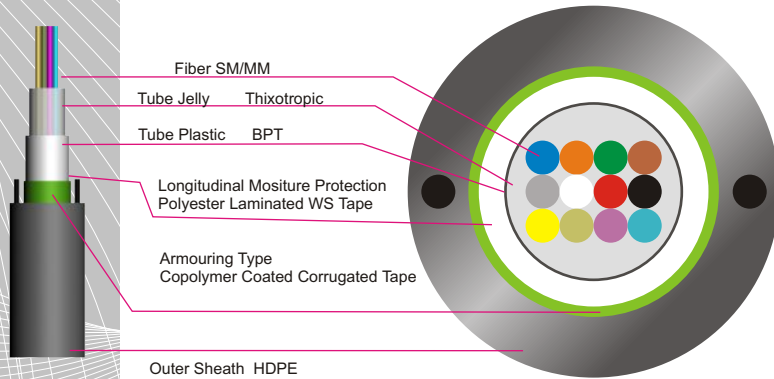
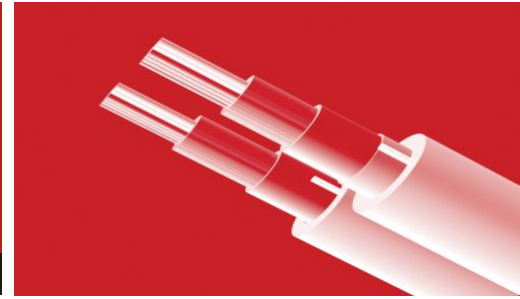




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Cables



## FEATURES & APPLICATIONS

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

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