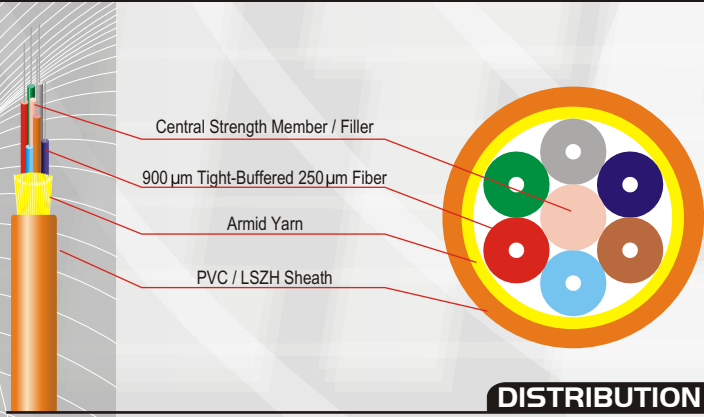
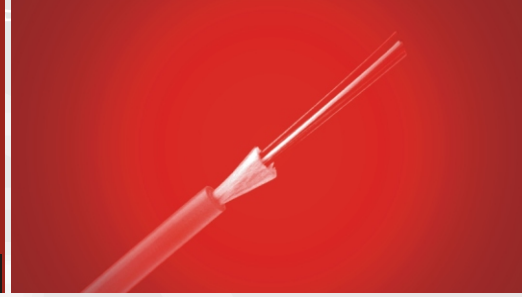
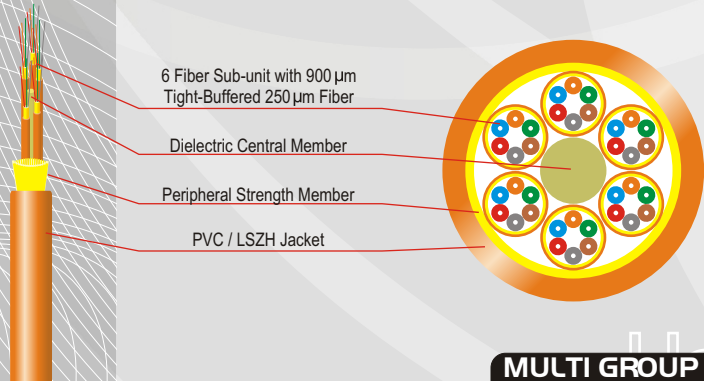


Distribution Cable

Cables



DISTRIBUTION



MULTI GROUP

FEATURES & Applications

- Suitable for both indoor and out door inside campus
- Compact design
- High strength and weight ratio
- Tight buffered on each fiber
- 2 to 48 fibers available for both plenum and riser application

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ISO 9001 Certified

ENGINEERING

Distribution Cable



Characteristics	Distribution	Multi-Groups	
Construction Parameters and Material Types			
Fiber count	Up to 12	Up to 48	
Strength member	Aramid yarn	Aramid yarn	
Sheath material	PVC / LSZH	PVC / LSZH	
Sheath thickness, mm	0.5 ± 10%	0.5 ± 10%	
Cable diameter, mm	6.2 ± 5%	18.0 ± 5%	
Cable weight, kg / km	42 ± 5%	220 ± 5%	
Delivery length, meter	500, 1000	500, 1000	
Optical Fiber Characteristics			
Fiber type	SM	MM	
Core dia, µm	8.5 (Nominal)	62.5 ± 3	50 ± 3
Core non-circularity, %	--	≤ 6	≤ 6
Cladding / Coating diameter, µm	125 ± 2	125 ± 2	125 ± 2
Coating diameter, µm	245 ± 10	245 ± 10	245 ± 10
Tight buffer dia	900 ± 50	900 ± 50	900 ± 50
Clad non-circularity, %	≤ 1	≤ 1	≤ 1
Band width at 850 nm, MHz . km	--	≥ 170	≥ 350
Band width at 1300 nm, MHz . km	--	≥ 400	≥ 500
Cabled fiber cut-off, nm	≤ 1260	--	--
Max. att. single cabled fiber 1310 / 1550 dB / km	≤ 1.0 / 1.0	--	--
Average att. of cable, dB / km	≤ 0.7 / 0.8	--	--
Max. att. single cabled fiber 850 / 1300, dB / km	--	≤ 3.75 / 1.5	≤ 3.5 / 1.5
Average att. of cable, dB / km	--	≤ 3.0 / 1.0	≤ 3.0 / 1.0
Mechanical and Environmental Characteristics			
	Distribution	Multi -Group	
Short term tensile strength, Newton	700	1500	
Long term tensile strength, Newton	350	650	
Crush strength, Newton	1000	1500	
Impact, points	100	300	
Repeated bending, cycles	500	500	
Minimum bending diameter, mm	Installation 20 x OD, Operation 10 x OD	Installation 20 x OD, Operation 10 x OD	
Temperature cycling, cycles	8	8	
Operating temperature, °C	-10 to +70	-10 to +70	
Applicable standards	ITU-T G650, G652, G655, IEC-793-1 & 2, IEC-794-1 & 2, TIA/EIA- 598A, EN 188 000		
SM Single Mode Fiber, MM Multi Mode Fiber, OD Outer Diameter, att Attenuation, NA Not Applicable, LSZH Low Smoke Zero Halogen			

**Customized designs are available on request*

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