

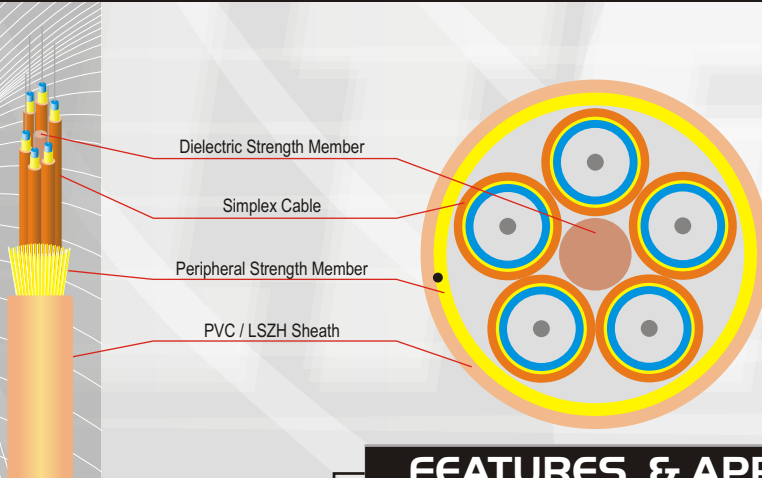
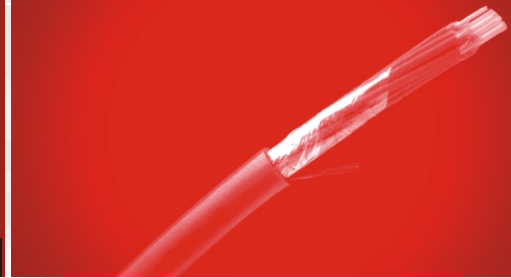


ISO 9001 Certified

ENGINEERING

Breakout Cable

Cables



FEATURES & APPLICATIONS

Rugged and installation friendly

Short and moderate distance links within building

Compact design

Tight buffered fibers

Available for both plenum and riser application

Available in Single Mode, Multi Mode (50 / 125 micron and Multi Mode 62.5 / 125 micron) type

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Breakout Cable

Characteristics	Break-out Design		
Construction Parameters and Material Types			
Fiber count	Up to 08		
Strength member	Aramid yarn		
Sheath material	PVC / LSZH		
Sheath thickness, mm	0.7 ± 10%		
Cable diameter, mm	8.5 ± 5%		
Cable weight, kg / km	60 ± 5%		
Delivery length, meter	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		
Short term tensile strength, Newton	1300		
Long term tensile strength, Newton	400		
Crush strength, Newton	1000		
Impact, points	100		
Repeated bending, cycles	500		
Minimum bending diameter, mm	Installation 20 x OD, Operation 10 x OD		
Temperature cycling, cycles	8		
Operating temperature, °C	-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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