

Distribution Optical Cable (Micro)

Cable Structure



Cable Technical Parameters

Г	S	Double Jacket					
Fib	er Count	2~4	6~12	24	2~24		
	OD (mm)	2.4±0.1	2.9±0.1	3.7±0.2	2.90 ± 0.1		
Unit cable	Thickness(mm)	0.4±0.05	0.5±0.05	0.65±0.05	0.5 ± 0.05		
	Material	PVC-OFNP					
	OD (mm)				4.5 ± 0.3		
Cable	Thickness(mm)				0.6 ± 0.05		
	Material				PVC-OFNP		
Max.tensile	Short-term	100	150	210	440		
Strength(N)	Long-term	50	80	100	220		
Min.Bending	Dynamic	4.6	8.0	11.2	20D		
Radius(mm)	Radius(mm) Static		20D				
Max.Crush	Short-term		1000				
Resistance(N/100mm)	Long-term		300				
Nominal weight(kg/km)			21				
Co	According to contract						
Strength	Aramid yarn						
Temperature range	Storage or transportation	-20~70°C					
	Operation	-10~60℃					

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Design your cable



Applications

- Used indoor cabling, especially used in good laying condition
- Used as connectors in optical communication equipment rooms and distribution frames, and used as optical apparatus connectors
- As pigtails, movable connectors and patch cords for communication equipment

Cable Characteristics

- High strength aramid yarn strength member ensures high tensile strength and long term stability in transmission
- Small outer diameter, lightweight, flame-retardant, easy to strip, low attenuation, physically soft
- Suitable for installation, operation, and convenient for maintenance

Delivery length

• 1000M or 2000M per reel

Optical Characteristics

Fiber type	Attenuation				OFL bandwidth	Effective model bandwidth	10G Ethenet SX	Min bend radius
Conditions -	1310/1550nm		850/1300nm		850/1300nm	850nm	850nm	/
	Typical	Maximum	Typical	Maximum	050/15001111	0501111	0.501111	/
Unit	dB/km	dB/km	dB/km	dB/km	MHZ.km	MHZ.km	m	mm
G652D	0.36/0.22	0.4/0.3						16
G657A1	0.36/0.22	0.4/0.3						10
G657A2	0.36/0.22	0.4/0.3						7.5
50/125			3.0/1.0	3.5/1.5	≥500/500			30
62.5/125			3.0/1.0	3.5/1.5	≥200/500			30
OM3			3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	30
OM4			3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	30
BI-OM3			3.0/1.0	3.5/1.5	≥1500/500	≥2000	≤300	7.5
BI-OM4			3.0/1.0	3.5/1.5	≥3500/500	≥4700	≤550	7.5

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