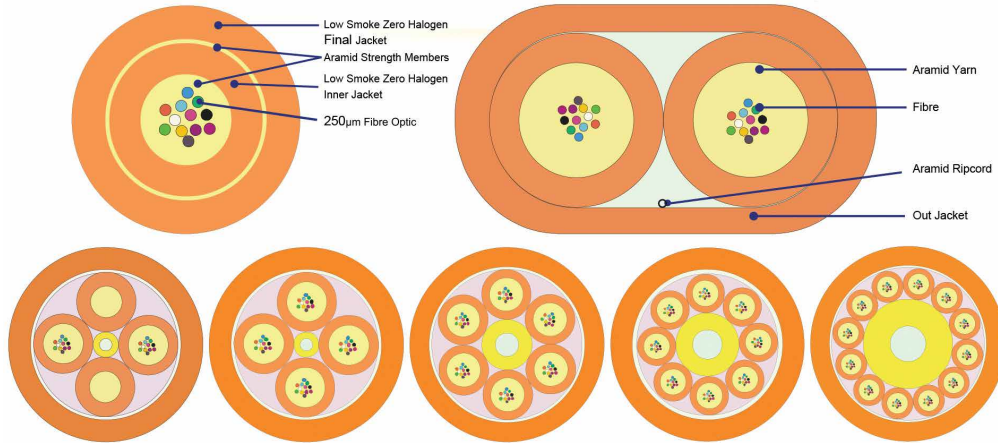


MICRO CORE CABLE



Fibre Optic Cable
(4/6/8/12/24/36/48/72/96/
144 Type)

Temperature Range

- Storage or transportation: -20~700C
- Operation: -20~700C

Each Requirement

- Fibre count-----4/-6/8/12/24/36/48/72/96/144
- Fibre characteristic -----OD: 245±10um
- Fibre Color: blue/orange/green/brown/grey/
white/red/black/yellow/purple/pink/aqua
- Aramid yarn for round strength
- Out jacke: LSZH or PVC

TECHNICAL CHARACTERISTICS

Fibre Account	OD (mm)	Nominal Eight (kg/km)	Max.Tension (N)		Max. Crushing Resistance (N/100)	
			Short-term	Long-term	Short-term	Long-term
12	4.5±0.2	22	400	120	500	150
24	4.2±0.3×7.6±0.4	31	300	160	1000	300
24	9.0±0.5	76	500	180	1000	300
36	9.0±0.5	78	500	180	1000	300
48	9.0±0.5	79	600	200	1000	300
72	11.2±0.5	126	1000	300	1000	300
96	13.5±0.5	178	1000	300	1000	300
144	17.5±0.5	285	1000	300	1000	300

FORM ONE SINGLE MODE FIBRE

Item	Unit	Specification
Attenuation	dB/km	1310nm≤0.4 1550nm≤0.3
Dispersion	ps/nm.km	1285-1330nm≤3.5 1550nm≤18.0
Zero dispersion wavelength	nm	1300-1324
Zero dispersion slope	ps/nm.km	≤0.095
Fibre cutoff wavelength	nm	≤1260
Mode field diameter	um	9.2±0.5
Mode field concentricity	um	≤0.8
Cladding diameter	um	125±1.0
Cladding non-circularity	%	≤1.0
Coating/cladding concentricity error	um	≤12.5
Coating diameter	um	245±10
Bending,dependence induced attenuation (1550nm, 1turns,32mm diameter 100turns, 60mm diameter)		≤0.5 db
Proof test	kpsi	≥100

FORM TWO MULTIMODE FIBRE

Item	Unit	Specification
Attenuation	dB/km	850 nm≤3.5 1300 nm≤1.5
Bandwidth	MHz.km	50/125um 62.5/125 um 850 nm≥200 850 nm≥160 1300 nm≥200 1300 nm≥200
Core diameter	um	50±2.5 62.5±2.5
Cladding diameter	um	125±1.0
Cladding diameter	um	125±1.0
Cladding non-circularity	%	≤1.0
Coating/cladding concentricity error	um	≤12.5
Coating diameter	um	245±10
Bending,dependence induced attenuation (850nm, 1300nm 100turns, 75mm diameter)		≤0.5 at 850 nm\1300 nm
Proof test	kpsi	≥100

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