

## Specifications

### Standards:

Comply with Standard YD/T 1258.2-2003, ICEA-596, GR-409, IEC794, etc.  
Meet the requirements of UL approval for OFNR and OFNP.

### Cable Parameter:

	MPC-02	MPC-04	MPC-06	MPC-08	MPC-10	MPC-12
Cable Diameter (mm)	4.1±0.25	4.8±0.25	5.1±0.25	5.6±0.25	5.8±0.25	6.2±0.25
Cable Weight (kg/km)	11.0	18.4	22	24	27	31
TBF Diameter	900±50µm					

### Mechanical Characteristics:

Tensile Strength	Long term	200N
	Short term	660N
Crush Resistance	Long term	300N/100mm
	Short term	1000N/100mm
Bending Radius	Dynamic	20×D (Cable Diameter)
	Static	10×D (Cable Diameter)

### Optical Characteristics:

		50/125µm	62.5/125µm	G.652	G.655
Attenuation(+20°C)	@ 850nm	≤3.5dB/km	≤3.5dB/km		
	@ 1300nm	≤1.5dB/km	≤1.5dB/km		
	@ 1310nm			≤0.45dB/km	≤0.50dB/km
	@ 1550nm			≤0.30dB/km	≤0.50dB/km
Bandwidth (Class A)	@ 850nm	≥500MHz·km	≥200MHz·km		
	@ 1300nm	≥1000MHz·km	≥600MHz·km		
Numerical Aperture		0.200±0.015NA	0.275±0.015NA		
Cable Cut-off Wavelength λ <sub>cc</sub>				≤1260nm	≤1480nm
Attenuation at temperature cycling Δα(-20°C~+85°C)	@ 1300nm	≤0.50dB/km	≤0.50dB/km		
	@ 1550nm			≤0.20dB/km	≤0.20dB/km

### Environmental Characteristic:

Transport Temperature	-20°C~+60°C
Storage Temperature	-20°C~+60°C
Installation Temperature	-5°C~+50°C
Operating Temperature	-20°C~+60°C