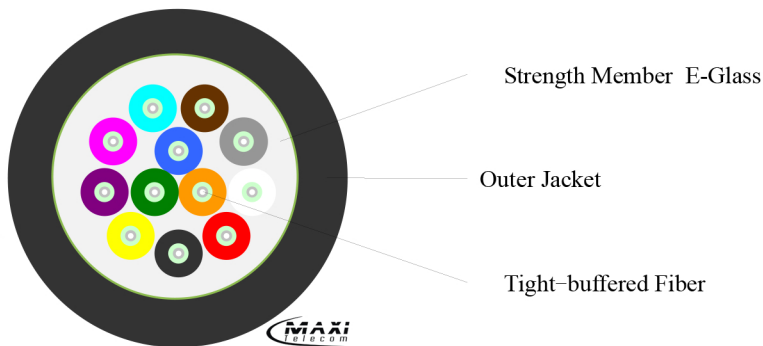


12-fiber Round Distribution Cable

Cable Diagram



Optical Fiber

Parameter	Unit	Value
Optical Fiber Type		G.652D
Mode Field Diameter	@1310nm	μm 8.6 \pm 0.4
	@1550nm	μm 9.8 \pm 0.5
Cladding Diameter	μm	125.0 \pm 0.7
Cladding Non-Circularity	%	\leq 0.8
Core-Cladding Concentricity Error	μm	\leq 0.5
Coating Diameter	μm	245 \pm 7
Cladding-Coating Concentricity Error	μm	\leq 10.0
Fiber Curl Radius	m	\geq 4.0
Attenuation (max.)	dB/km	\leq 0.4@1310nm
	dB/km	\leq 0.3@1550nm
Macro-Bending Loss	10turn \times 15mm radius @1550nm	dB \leq 0.25
	10turn \times 15mm radius @1625nm	dB \leq 1.0
	1turn \times 10mm radius @1550nm	dB \leq 0.75
	1turn \times 10mm radius @1625nm	dB \leq 1.5
Cable Cutoff Wavelength	nm	$\lambda_{cc} \leq$ 1260
λ_0 Zero Dispersion Wavelength λ_0	nm	1300-1324
S_0 Zero Dispersion Slope S_0	ps/ (nm ² ·km)	\leq 0.092
PMD	Fiber Value	ps/km ^{1/2} \leq 0.2
	Link Value	ps/km ^{1/2} \leq 0.1
Proof Stress Level	%	Strain \geq 1.2
Proof Tension Stress	N	\geq 11.76
Effective Group Index	@1310nm	1.4660
	@1550nm	1.4667
Other parameter meet standard		ITU-T G.652D

12-fiber Round Distribution Cable

Cable														
Parameter		Unit	Value											
Fiber Count			12											
Tight-buffered Fiber	Diameter	mm	0.85 ± 0.05											
	Material		PVC											
	Color		<table border="1"> <tr> <td>Blue</td> <td>Yellow</td> <td>Green</td> <td>Red</td> </tr> <tr> <td>Violet</td> <td>Brown</td> <td>Pink</td> <td>Grey</td> </tr> <tr> <td>Black</td> <td>Orange</td> <td>White</td> <td>Aqua</td> </tr> </table>	Blue	Yellow	Green	Red	Violet	Brown	Pink	Grey	Black	Orange	White
Blue	Yellow	Green	Red											
Violet	Brown	Pink	Grey											
Black	Orange	White	Aqua											
Strength Member			E-glass											
Outer Jacket	Diameter	mm	6.2 ± 0.2											
	Material		PVC											
	Color		Black											
	Thickness	mm	0.72 ± 0.05											
Nominal Weight		kg/km	36.0											

Cable Characteristics		
Parameter	Unit	Value
Tension (Long Term)	N	200
Tension (Short Term)	N	600
Crush (Long Term)	N/10cm	300
Crush (Short Term)	N/10cm	1000
Min. Bend Radius (Dynamic)	mm	20D
Min. Bend Radius (Static)	mm	10D
Installation Temperature	°C	0~+50
Operating Temperature	°C	-20~+70
Storage Temperature	°C	-10~+60