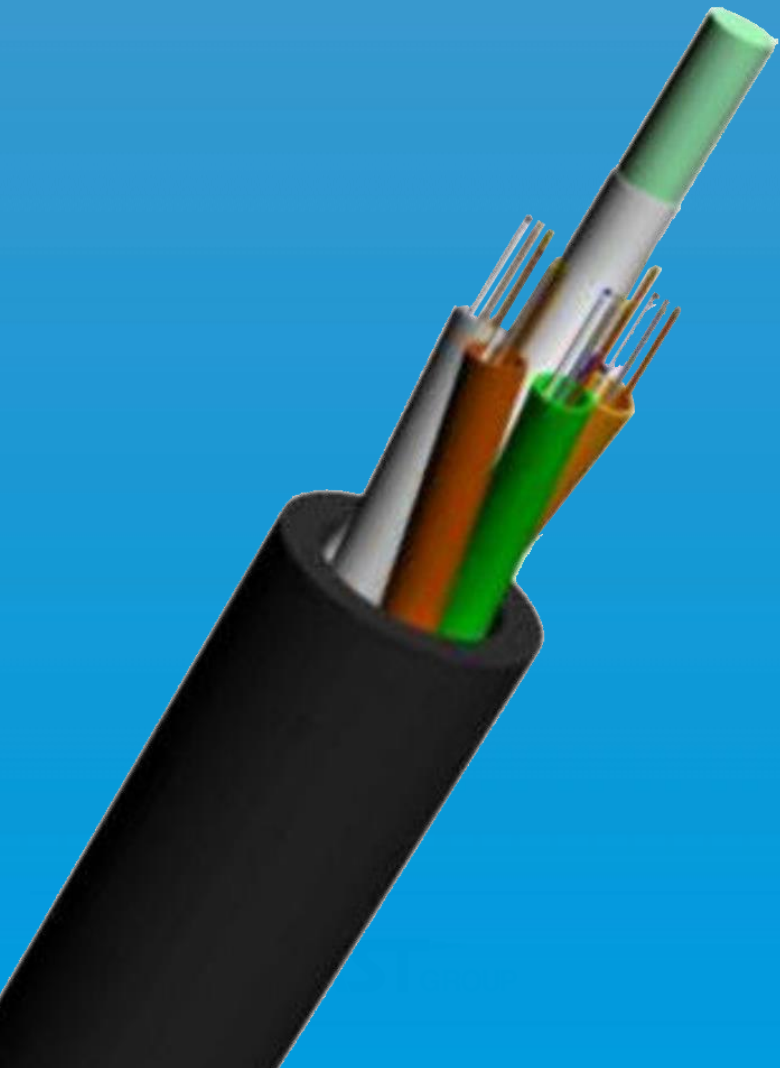


AIR BLOWING DUCT FIBER

COMCAST GROUP

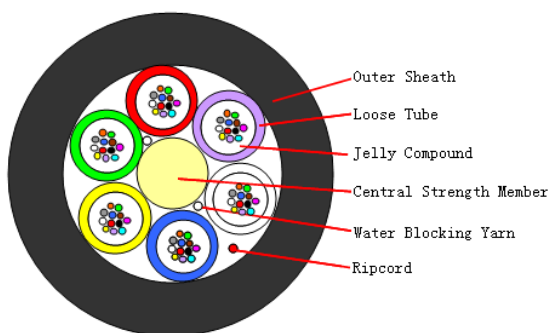


Technical data

No. of cable		12~72	96	144
Fiber Model		G.652D		
Design(StrengthMember+Tube&Filler)		1+6	1+8	1+12
Central Strength Member	Material	FRP		
	Diameter (± 0.05) mm	1.5	2.6	2.6
Additional Sheath	Material	MDPE		
	Size (± 0.1) mm	—		4.5
Loose Tube	Material	PBT		
	Diameter (± 0.1) mm	1.5		
	Thickness (± 0.03) mm	0.20		
	The Max.Core NO./Tube	12		
Filler Rope	Material	LDPE		
	Colour	White		
	Diameter (± 0.06) mm	1.5	—	—
	NO.	2	—	—
Water Blocking layer (Material)		Water Blocking Yarn		
Outer Sheath	Material	HDPE		
	Thickness (± 0.1) mm	0.5		
Cable Diameter (± 0.2) mm		5.5	6.6	8.5
Cable Weight (± 5.0) kg/km		24	42	60
Attenuation	1310nm	≤ 0.35 dB/ km		
	1550nm	≤ 0.21 dB/ km		
Allowable Tensile Strength	Short Term	400 N	500 N	500 N
	Long Term	150 N	250 N	250 N

Allowable Crush Resistance	Short Term	600 (N/100mm)
	Long Term	200 (N/100mm)
Min. bending radius	Without Tension	10.0xCable-φ
	Under Maximum Tension	20.0xCable-φ
Temperature range (°C)	Installation	-20~+60
	Transport&Storage	-40~+70
	Operation	-40~+70

Cable Design



Fiber Color Code

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

Loose Tube Color

No.	1	2	3	4	5	6
Color	Blue	Orange	Green	Brown	Gray	White
No.	7	8	9	10	11	12
Color	Red	Black	Yellow	Violet	Pink	Aqua

The properties of single mode optical fiber (ITU-T Rec. G.652.D)

Item	Specification
Fiber type	Single mode
Fiber material	Doped silica
Attenuation coefficient	
@ 1310 nm	≤ 0.35 dB/km
@ 1383 nm	≤ 0.32 dB/km
@ 1550 nm	≤ 0.21 dB/km
@ 1625 nm	≤ 0.24 dB/km
Point discontinuity	≤ 0.05 dB
Cable cut-off wavelength	≤ 1260 nm
Zero-dispersion wavelength	1300 ~ 1324 nm
Zero-dispersion slope	≤ 0.092 ps/(nm ² .km)
PMD _Q (Quadrature average*)	≤ 0.2 ps/km ^{1/2}
Mode field diameter @ 1310 nm	9.2±0.4 μm
Core / Clad concentricity error	≤ 0.5 μm
Cladding diameter	125.0 ± 0.7 μm
Cladding non-circularity	$\leq 1.0\%$
Primary coating diameter	245 ± 10 μm
Proof test level	100 kpsi (=0.69 Gpa), 1%
Temperature dependence	
0oC~ +70oC @ 1310 & 1550nm	≤ 0.1 dB/km

Main mechanical & environmental performance test

Item	Test Method	Acceptance Condition
Tensile Strength IEC 794-1-2-E1	- Load: Tension Strength - Length of cable: about 50m	- Fiber strain $\leq 0.33\%$ - Loss change ≤ 0.1 dB @1550 nm - No fiber break and no sheath damage.
Crush Test IEC 60794-1-2-E3	- Load: crush Resistance strength - Load time: 1min	- Loss change ≤ 0.05 dB@1550nm - No fiber break and no sheath damage.
Impact Test IEC 60794-1-2-E4	- Points of impact: 3 - Times of per point: 1 - Impact energy: 5J	- Loss change ≤ 0.1 dB@1550nm - No fiber break and no sheath damage.
Temperature Cycling Test YD/T901-2001-4.4.4.1	- Temperature step: +20°C→-40°C→+70°C →+20°C - Time per each step: 12 hrs - Number of cycle: 2	- Loss change ≤ 0.05 dB/km@1550 nm - No fiber break and no sheath damage.

Sheath marking

The optical fiber drop cable shall have sequentially numbered length marking at intervals of approximately 1 meter. The starting number of ordering length for any coil shall begin with zero meter. The accuracy of the measurement of length marking shall be held within the limits of $\pm 1\%$.

Please visit our website www.comcast-sa.com or contact your local sales representative.

Comcast México

Overseas Sales Subsidiary
Cal. Lázaro Cárdenas #1309
Col. Colón industrial CP.44940
Guadalajara, Jalisco
Tel. +52 33 38607059
Info.mx@comcast-sa

Comcast Guatemala

Overseas Sales Subsidiary
Av. Hincapié 28-45 zona 13
Guatemala city 01013
Tel. +506 4004 1400
Gerente.gua@comcast-sa.com

Comcast Nicaragua

Overseas Sales Subsidiary
3ra. Entrada las Colinas, Embajada
De cuba 1C, Este, Casa #34
Mangua, Nicaragua
Te, +1809 5711033
Admin.nic@comcast-sa.com

Comcast El Salvador

Overseas Sales Subsidiary
51 Av. Norte # 159 entre calle
poniente y Av. Roosevelt
San Salvador, El Salvador
Tel. +503 7950 4882
Info.sc@comcast-sa.com

Comcast Dominican Republic

Overseas Sales Subsidiary
Av. Nuñez de Cáceres #2 Plaza
Comercial Pradosur, Local 102
Santo Domingo, Dominican Rpublic
Te.+ 1 809 571 1033