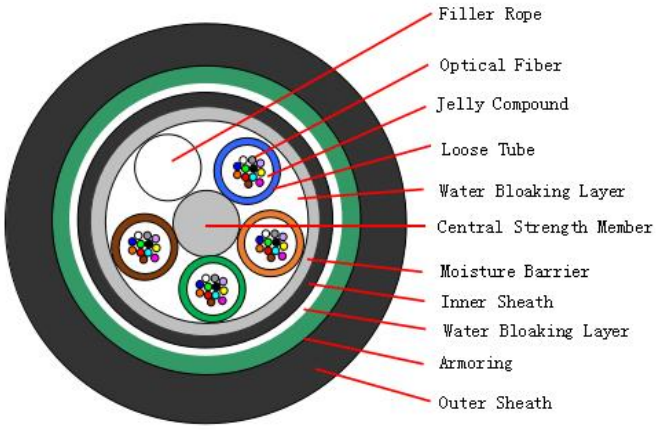
Direct Burry Fiber Optic Cable|GYTA53 Fiber Cable 24 Core SM Aluminum Armored Double Sheathed Loose Tube

Cable Design



Technical Data Sheet

No. of cable		6-24	36-48	72	96	144	216	288
Fiber Model		G.652D						
Design (StrengthMember+Tube&Filler)		1+5	1+5	1+6	1+8	1+12	1+6+12	1+9+15
Central Strength Member	Material	Steel Wire						
	Diameter（±0.5）mm	1.3	1.4	1.8	2.0			
Loose Tube	Material	PBT						
	Diameter（±0.06）mm	1.55	1.8					
	Thickness（±0.05）mm	0.25	0.35					
	The Max.Core NO./Tube	6	12					
Moisture Barrier	Material	Polymer Coated Aluminum Tape						
	Thickness（±0.03）mm	0.20						
Inner Sheath	Material	MDPE						
	Thickness（±0.2）mm	0.8						
Armoring	Material	Polymer Coated Steel Tape						
	Thickness（±0.2）mm	0.20						
Water Bloaking Layer	Material	Filling Compound						
Outer Sheath	Material	MDPE						
	Thickness（±0.2）mm	1.6						
Cable Diameter（±0.5）mm		11.2	11.8	12.2	13.5	15.8	16.0	17.7
Cable Wetght（±10）kg/km		126	141	159	189	250	252	299
Min. bending radius	Without Tension	10×Cable-ϕ						
	Under Maximum Tension	20×Cable-ϕ						
Temperatur	Installation	-20~+60						

e range （℃）	Transport&Storage	-40~+70
	Operation	-40~+70

Fibre Colours

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 Colours

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

Item	Specification
Fiber type	Single mode
Fiber material	Doped silica
Attenuation coefficient @ 1310 nm @ 1383 nm @ 1550 nm @ 1625 nm	 ≤ 0.35 dB/km ≤ 0.32 dB/km ≤ 0.21 dB/km ≤ 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)
Chromatic dispersion @ 1288 ~ 1339 nm @ 1271 ~ 1360 nm @ 1550 nm @ 1625 nm	 ≤3.5 ps/(nm. km) ≤5.3 ps/(nm. km) ≤18 ps/(nm. km) ≤22 ps/(nm. km)
PMD_Q (Quadrature average*)	≤0.2 ps/km$^{1/2}$
Mode field diameter @ 1310 nm	9.2±0.4 um
Core / Clad concentricity error	≤ 0.5 um
Cladding diameter	125.0 ± 0.7 um
Cladding non-circularity	≤1.0%
Primary coating diameter	245 ± 10 um
Proof test level	100 kpsi (=0.69 Gpa), 1%

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 whit zero meter. The accuracy of the measurement of length marking shall be held within the limits of ±1%.

a) Type of wire
b) Year and month of manufacture
c) Length marking each meter along the wire