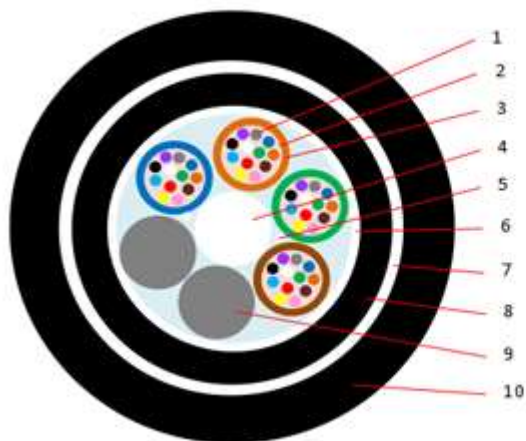


Direct Buried Fiber Optic Cables G.652D



1. Optical fiber
2. Jelly
3. PBT loose tube
4. FRP Center strong
5. Water resistance yarn
6. Water resistance tape
7. Glass yarn
8. MDPE inner sheath
9. Ripe
10. HDPE Outer sheath

Technical Data

Item		Unit	Specifications
			G.652D
Mode Field Diameter	1310nm	μm	9.2±0.4
	1550nm	μm	10.4±0.5
Cladding Diameter		μm	124.8±0.7
Cladding Non-Circularity		%	≤0.7
Core-Cladding Concentricity Error		μm	≤0.5
Coating Diameter		μm	245±5
Coating Non-Circularity		%	≤6.0
Cladding-Coating Concentricity Error		μm	≤12.0
Cable Cutoff Wavelength		nm	λ _{cc} ≤1260
Attenuation(max.)	1310nm	dB/km	≤0.36
	1550nm	dB/km	≤0.25

Fiber Cable Parameters

Items		Specifications
Fiber Count		48C OR 96C
Colored Coating Fiber	Dimension	250μm±15μm
	Color	Blue、Orange、Green、Brown、Gray、Natural、Red、Black、Yellow、Purple、Pink、Aqua
Loose Tube	Dimension	8-12f: 2.4mm±0.1mm
	Material	PBT
	Color	Natural
Strength Member		glass Yarn

Fiber Cable Diameter	Dimension	48C: 12.2 ±0.5mm
		996C: 13.1 ±0.5mm
Outer Jacket	Dimension	1.6±0.2 mm
	Material	HDPE
	Color	Black

Mechanical & Environmental Characteristics

Items	Unit	Specifications
Tension Long Term	N	400
Tension Short Term	N	800
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	-20~+70
Operating Temperature	°C	-20~+70
Storage Temperature	°C	-40~+70
Environmental Test Standard		IEC 60794-1 E11 IEC 60794-1 F1