



Direct Buried Installation Optical Fiber Cable

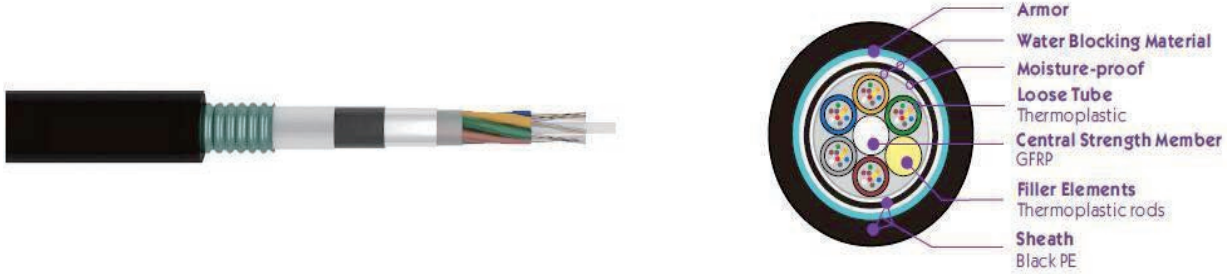
Specializing in designing, manufacturing cables
and providing customized services for our customers



GYFTA53 -1

Direct Buried Installation Optical Fiber Cable

Double Sheath PSP APL Enhanced Armor



Application:

- Good crush resistance
- Direct buried installation

Characteristics:

		G.652.D	G.655	50/125um	62.5/125um
Attenuation	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Bandwidth	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization mode dispersion	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-



Technical Data:

Item	Contents	Value					
	Fiber Count	24	48	72	96	144	288
Loose Tube	No. of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12
	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4
Central strength member	Material	FRP					
	Diameter (mm)	2.25	2.6	2.6	2.6	2.6	2.6
	Coated CSM diameter (mm)	-	-	-	4.2	7.2	4.8
Water Blocking material	Material	Cable filling compound					
Moisture-proof	Material	Laminated aluminum tape					
Inner Sheath	Thickness (mm)	Nominal:1.0					
Armor	Material	Corrugated steel tape					
Outer Sheath	Thickness (mm)	Nominal:2.0					
Cable diameter(mm)Approx.		14.2	15.0	15.0	16.8	20.0	22.4
Cable weight(kg/km)Approx.		210	230	230	280	350	440
Operating temperature range(°C)		-40~+70					
Tensile Strength Short/ Long Term(N)		2700/900					
Crush resistance short/long term (N/100mm)		1000/300					

The colour arrangement of fibre and tube is specified in the colour identification table.

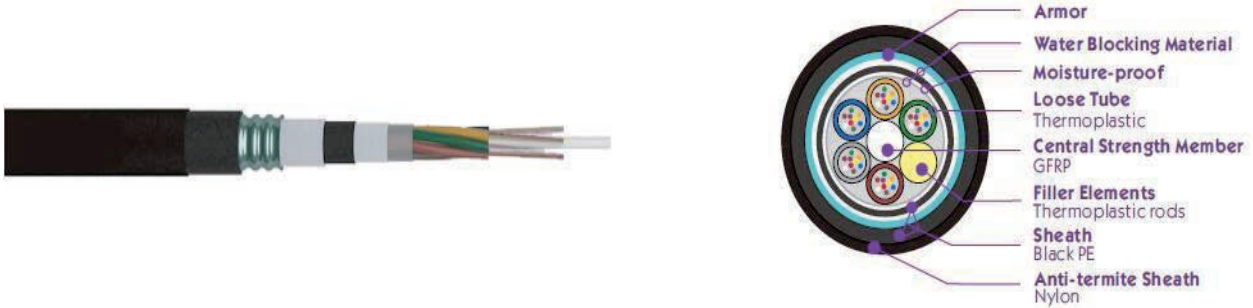
Other structure and fibre count are also available according to customer requirements.



GYFTA54 -1

Anti-Rodent Direct Buried Installation Optical Fiber Cable

Double PE Nylon Sheath PSP Glass Yarns Tape Enhanced Armor



Application:

- Rodent and termite resistance
- Good crush resistance
- Direct buried installation

Characteristics:

		G.652.D	G.655	50/125um	62.5/125um
Attenuation	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Bandwidth	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization mode dispersion	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-



Technical Data:

Item	Contents	Value					
		Fiber Count	24	48	72	96	144
Loose Tube	No. of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12
	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4
Central strength member	Material	FRP					
	Diameter (mm)	2.25	2.6	2.6	2.6	2.6	2.6
	Coated CSM diameter (mm)	-	-	-	4.2	7.2	4.8
Water Blocking material	Material	Cable filling compound					
Moisture-proof	Material	Laminated aluminum tape					
Inner Sheath	Thickness (mm)	Nominal:1.0					
Armor	Material	Corrugated steel tape					
Middle Sheath	Thickness (mm)	Nominal:1.5					
Outer Sheath	Thickness (mm)	Nominal:0.5					
Cable diameter(mm)Approx.		14.4	15.0	15.0	16.8	20.0	22.4
Cable weight(kg/km)Approx.		225	250	250	300	370	465
Operating temperature range(°C)		-40~+70					
Tensile Strength Short/ Long Term(N)		2700/900					
Crush resistance short/long term (N/100mm)		3000/1000					

The colour arrangement of fibre and tube is specified in the colour identification table.

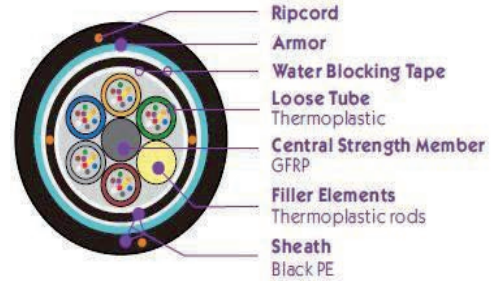
Other structure and fibre count are also available according to customer requirements.



GYFY53

Direct Buried Optical Fiber Cable

FRP CSM Double Sheath PSP Enhanced Armor



Application:

- Excellent crush resistance
- Direct buried installation
- Semi-dry core design, easy for installation and splice

Characteristics:

		G.652.D	G.655	50/125um	62.5/125um
Attenuation	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Bandwidth	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization mode dispersion	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-



Technical Data:

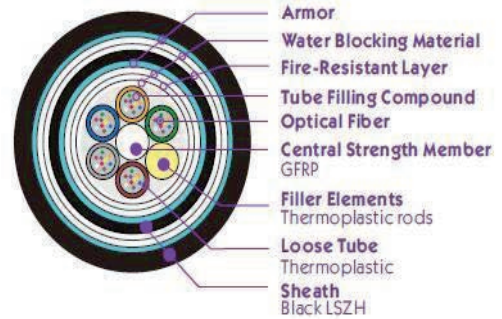
Item	Contents	Value					
	Fiber Count	24	48	72	96	144	288
Loose Tube	No. of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12
	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4
Central strength member	Material	FRP					
	Diameter (mm)	2.25	2.6	2.6	2.6	2.6	2.6
	Coated CSM diameter (mm)	-	-	-	4.2	7.4	4.8
Water Blocking material	Material	water blocking tape					
Inner Sheath	Thickness (mm)	Nominal:1.0					
Armor	Material	Corrugated steel tape					
Outer Sheath	Thickness (mm)	Nominal:2.0					
Cable diameter(mm)Approx.		14.4	15.4	15.4	16.8	20.2	22.4
Cable weight(kg/km)Approx.		200	230	230	270	350	430
Operating temperature range(°C)		-40~+70					
Tensile Strength Short/ Long Term(N)		2700/900					
Crush resistance short/long term (N/100mm)		3000/1000					

The colour arrangement of fibre and tube is specified in the colour identification table.

Other structure and fibre count are also available according to customer requirements.



GYFZS53 Direct Buried Fire resistant Optical Fiber Cable Double Sheath PSP Enhanced Armor



Application:

Semi-dry core design, easy for installation and splice. Good flame retardant and fire resistance performance.

Fully comply with IEC 60332-1-2, IEC 60332-3-24, IEC 60331-11/25 (comply 750°C*90Minutes), IEC 60754-1~2, IEC 61034(smoke density ≥50%)

Suitable for the telecom system in the subway, tunnel and mine.

Characteristics:

		G.652.D	G.655	50/125um	62.5/125um
Attenuation	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Bandwidth	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization mode dispersion	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-



Technical Data:

Item	Contents	Value					
		12	36	72	96	144	192
Loose Tube	No. of tubes*fibres per tube	1*12	3*12	6*12	8*12	12*12	16*12
	Outer diameter (mm)	2.1	2.1	2.1	2.1	2.1	2.1
Central strength member	Material	FRP					
	Diameter (mm)	2.25	2.25	2.25	2.25	2.6	2.25
	Coated CSM diameter (mm)	-	-	-	3.7	6.1	-
Water Blocking material	Material	Water blocking yarn or tape					
Fire-Resistant Layer	1 ST Inner Layer	Mica tape.					
Armor	Material	Corrugated steel tape					
Outer Sheath	Thickness (mm)	Nominal:2.0					
Cable diameter(mm)Approx.		16.5	16.5	16.5	18.1	21.5	21.5
Cable weight(kg/km)Approx.		280	280	280	350	520	560
Operating temperature range(°C)		-40~+70					
Tensile Strength Short/ Long Term(N)		2700/900					
Crush resistance short/long term (N/100mm)		3000/1000					

The colour arrangement of fibre and tube is specified in the colour identification table.

Other structure and fibre count are also available according to customer requirements.



GYTS53

Direct Buried Installation Optical Fiber Cable

Double Sheath PSP Enhanced Armor



Application:

- Excellent Anti-rodent performance.
- Excellent crush resistance
- Direct-buried installation and aerial installation.

Characteristics:

		G.652.D	G.655	50/125um	62.5/125um
Attenuation	@850nm	-	-	≤3.0 dB/km	≤3.0 dB/km
	@1300nm	-	-	≤1.0 dB/km	≤1.0 dB/km
	@1310nm	≤0.36 dB/km	≤0.40 dB/km	-	-
	@1550nm	≤0.22 dB/km	≤0.23 dB/km	-	-
Bandwidth	@850nm	-	-	≥500 MHz · km	≥200 MHz · km
	@1300nm	-	-	≥1000 MHz · km	≥600 MHz · km
Polarization mode dispersion	Individual fibre	≤0.20 ps/√km	≤0.20 ps/√km	-	-
	Design link value (M=20,Q=0.01%)	≤0.1 ps/√km	≤0.1 ps/√km	-	-



Technical Data:

Item	Contents	Value					
		Fiber Count	24	48	72	96	144
Loose Tube	No. of tubes*fibres per tube	4*6	4*12	6*12	8*12	12*12	24*12
	Outer diameter (mm)	1.9	2.4	2.4	2.4	2.4	2.4
Central strength member	Material	Phosphated steel wire					
	Diameter (mm)	2.0	2.0	2.0	2.0	2.0	2.0
	Coated CSM diameter (mm)	-	2.6	2.6	4.2	7.4	4.8
Water Blocking material	Material	Cable filling compound					
Armor	Material	Corrugated steel tape					
Inner Sheath	Thickness (mm)	Nominal:1.0					
Anti-Rodent Armor	Material	Corrugated steel tape					
Outer Sheath	Thickness (mm)	Nominal:2.0					
Cable diameter(mm)Approx.		14.2	15.7	15.7	17.5	21.0	23.0
Cable weight(kg/km)Approx.		230	265	265	305	390	460
Operating temperature range(°C)		-40~+70					
Tensile Strength Short/ Long Term(N)		3000/1000					
Crush resistance short/long term (N/100mm)		3000/1000					

The colour arrangement of fibre and tube is specified in the colour identification table.

Other structure and fibre count are also available according to customer requirements.

● GLOBAL MARKET



■ China - Head office

Email: info@hello-signal.com
info@zion-communication.com

Mobile/WhatsApp: 0086 15715730101

ADD: Zion Industrial Park, Huaqiao Road,
Jincheng, Lin'an, Zhejiang, China