



Shenzhen OPTICO Communication Co, Ltd.

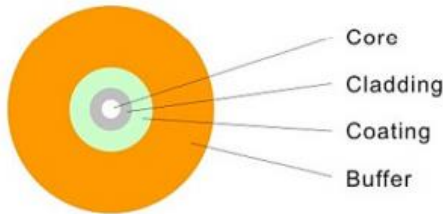
www.fiberopticom.com

Indoor Optical Fiber Cable

Optical Fiber

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, cable and devices
- Various buffer options: PVC, LSZH, Hytrel, Nylon



Tight/loose-buffered Fiber



Geometrical Characteristic

Fiber Diameter(μm)	250	600	900
Cladding Diameter (μm)	125.0 \pm 1.0		
Coating Diameter (μm)	245 \pm 10 for natural color, 250 \pm 15 for colored fiber		
Buffer Diameter (μm)	/	600 \pm 50	900 \pm 50

Mechanical Characteristic

Max Load(N) for buffered fiber	Long term	3
	Short term	6
Crush (N/100mm)	/	/
Min. Bending radius (D=fiber diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-20~+60	

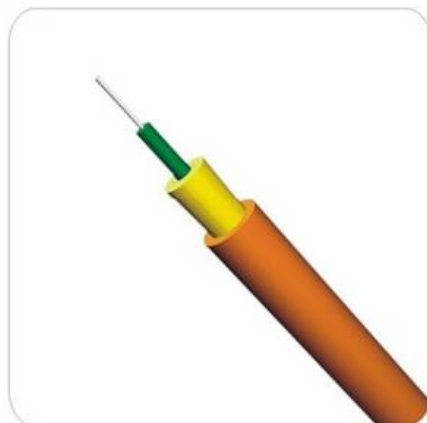
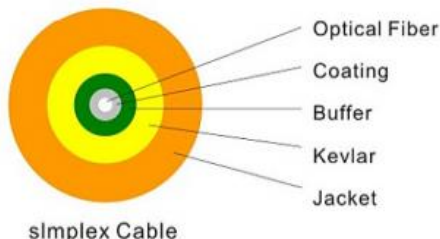
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Simplex Cable

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, and devices
- Various Jacket options: PVC, LSZH, TPU



Geometrical Characteristic

Cable Diameter (mm)	1.6	1.8	2.0	2.4	2.8	3.0
Tolerance Range (mm)	±0.1, or customized					
Cable Weight (kgs/km)	2.5	3.0	3.5	5.0	6.5	7.0
Fiber Diameter(mm)	0.6 or 0.9					

Mechanical Characteristic

Tensile (N)	Long term	60
	Short term	100
Crush (N/100mm)	Long term	100
	Short term	500
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-20~+60	

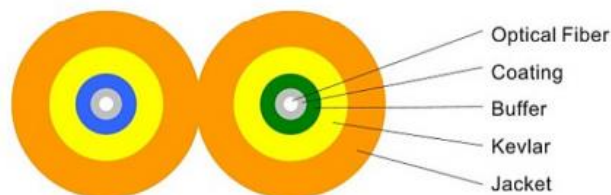
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Duplex Zipcord Cable

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, cable and devices
- Various Jacket options: PVC, LSZH,



Duplex Zipcord cable



Geometrical Characteristic

Cable Diameter (mm)	1.6×3.3	1.8×3.7	2.0×4.1	2.4×4.9	2.8×5.6	3.0×6.1
Tolerance Range (mm)	±0.1, or customized					
Cable Weight (kgs/km)	5	6	7	10	13	14
Fiber Diameter(mm)	0.6 or 0.9					

Mechanical Characteristic

Tensile (N)	Long term	80
	Short term	150
Crush (N/100mm)	Long term	200
	Short term	1000
Min. Bending radius (H=Cable Height)	Dynamic	20xH
	Static	10xH
Temperature Range (°C)	-20~+60	

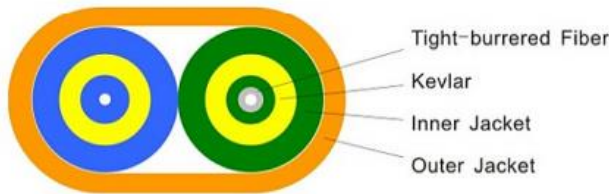
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Duplex Breakout Cable

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, and devices
- Various Jacket options: PVC, LSZH,



Duplex Breakout Cable



Geometrical Characteristic

Cable Diameter (mm)	3.8×2.4	4.6×2.8	5.0×3.0	5.8×3.4	7.0×4.0
Tolerance Range (mm)	±0.1, or customized				
Cable Weight (kgs/km)	9.8	12	14.8	19.4	25.6
Fiber Diameter(mm)	0.6 or 0.9				

Mechanical Characteristic

Tensile (N)	Long term	100
	Short term	200
Crush (N/100mm)	Long term	300
	Short term	1000
Min. Bending radius (H=Cable Height)	Dynamic	20xH
	Static	10xH
Temperature Range (°C)	-20~+60	

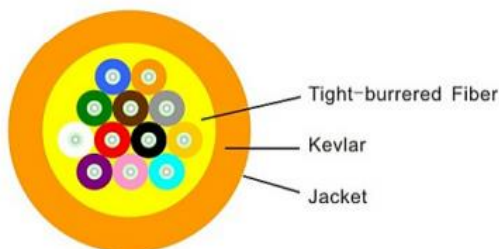
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Multi-fiber Distribution Cable

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, cable and devices
- Various buffer options: PVC, LSZH,



Geometrical Characteristic

Fiber Count	8	12	16	24	36	48
Cable Diameter (mm)	5.5	6.5	7.5	8.2	9.0	10.5
Tolerance Range (mm)	±0.2, or customized					
Cable Weight (kgs/km)	26	36.5	44.5	54.5	72	90
Buffer Diameter(mm)	0.6 or 0.9					

Mechanical Characteristic

Tensile (N)	Long term	200
	Short term	660
Crush (N/100mm)	Long term	200
	Short term	1000
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-20~+60	

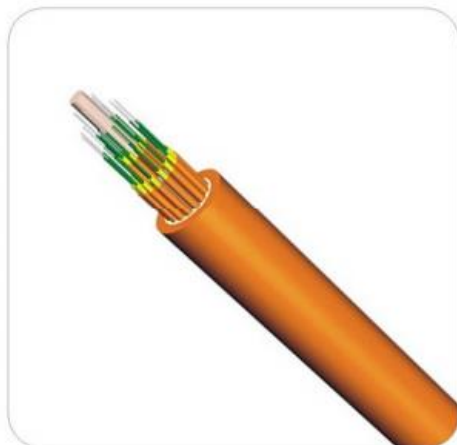
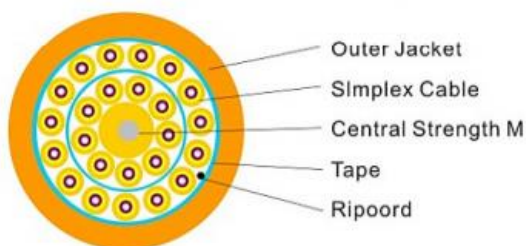
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Multi-fiber Breakout Cable

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, and devices
- Various Jacket options: PVC, LSZH,



Geometrical Characteristic

Fiber Count	8	12	16	24	36	48
Cable Diameter (mm)	10.0	12.5	12.0	15	17.5	20.0
Tolerance Range (mm)	± 0.5, or customized					
Cable Weight (kgs/km)	91	145	120	178	200	247
Simplex Diameter(mm)	2.0					

Mechanical Characteristic

Tensile (N)	Long term	800
	Short term	2200
Crush (N/100mm)	Long term	300
	Short term	1000
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-20~+60	

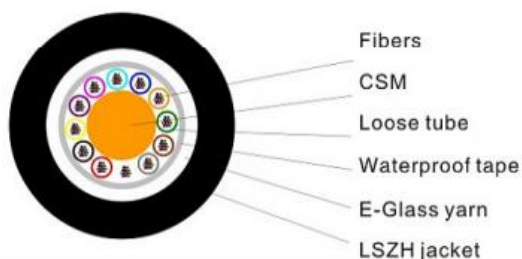
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Riser Cable I

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, cable and devices
- Various buffer options: PVC, LSZH,



Geometrical Characteristic

Fiber Count	6	8	12	16	24	36	48	72	96	144
Tube No.	1	2	3	4	6	3	4	6	8	12
Fiber No./Tube	6	4	4	4	4	12	12	12	12	12
Cable Diameter (mm)	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	10.5	13.5
Tolerance Range (mm)	± 0.5, or customized									
Cable Weight (kgs/km)	85	85	85	85	85	86	86	87	105	175

Mechanical Characteristic

Tensile (N)	Long term	200
	Short term	660
Crush (N/100mm)	Long term	300
	Short term	1000
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-20~+60	

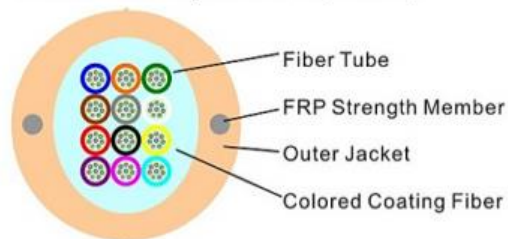
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Riser Cable II

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, and devices
- Various Jacket options: PVC, LSZH,



Geometrical Characteristic

Fiber Count	12	24	24	48	48	72	96	144
Tube No.	1	2	4	4	6	6	8	12
Fiber No./Tube	12	12	6	12	8	12	12	12
Cable Diameter (mm)	8.5	8.5	8.5	8.5	8.5	8.5	10.5	10.5
Tolerance Range (mm)	± 0.5, or customized							
Cable Weight (kgs/km)	59	61	63	64	66	68	88	95

Mechanical Characteristic

Tensile (N)	Long term	250
	Short term	500
Crush (N/100mm)	Long term	500
	Short term	1000
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-20~+60	

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Outdoor Optical Fiber Cable

GYTA

Recommended Laying Methods:

Aerial, Duct

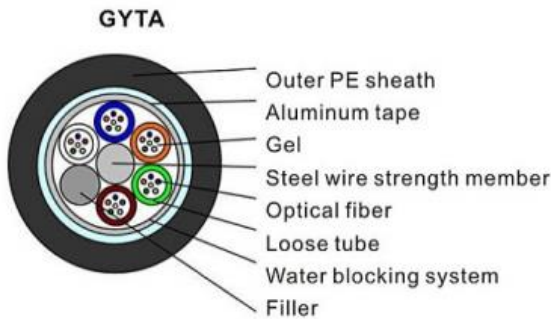
Application Fields:

LAN, and long distance cabling

Moisture-proof and Rodent-proof

Characteristic

Excellent moisture proof performance



Geometrical Characteristic

Fiber Count	2-36	38-60	62-72	74-96	98-120	122-216
Cable Diameter (mm)	8.5	10.0	11.0	12.0	14.5	16.5
Tolerance Range (mm)	± 0.5, or customized					
Cable Weight (kgs/km)	120	140	165	200	240	290

Mechanical Characteristic

Tensile (N)	Long term	600
	Short term	1500
Crush (N/100mm)	Long term	300
	Short term	1000
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (C)	-40~+70	

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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GYTY53

Recommended Laying Methods:

Directly-burial

Application Fields:

LAN, and long distance cabling

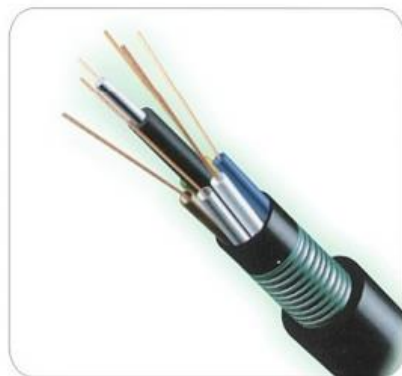
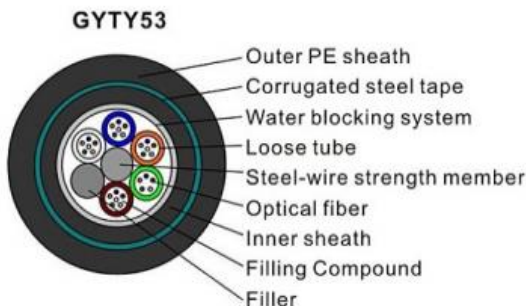
High durable product and rodent-proof

Characteristic

Strong water-resistance Performance

High anti-crush and tensile strength

Rodent-proof



Geometrical Characteristic

Fiber Count	2-36	38-60	62-72	74-96	98-120	122-216
Cable Diameter (mm)	12.0	12.0	14.0	16.0	17.5	18.5
Tolerance Range (mm)	±0.5, or customized					
Cable Weight (kgs/km)	180	200	230	320	365	380

Mechanical Characteristic

Tensile (N)	Long term	1000
	Short term	3000
Crush (N/100mm)	Long term	1000
	Short term	3000
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (C)	-40~+70	

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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GYTA53

Recommended Laying Methods:

Direct-burial

Application Fields:

LAN, and long distance cabling

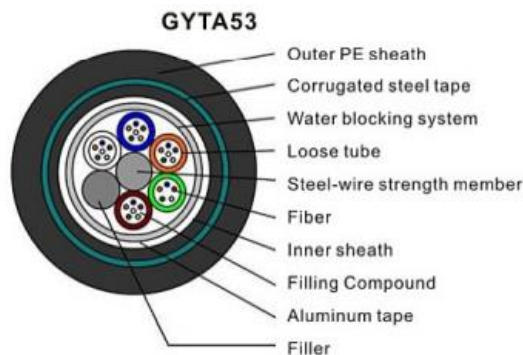
Moisture-proof and Rodent-proof

Characteristic

Strong water-resistance Performance

High anti-crush and tensile strength

Rodent-proof



Geometrical Characteristic

Fiber Count	2-36	38-60	62-72	74-96	98-120	122-216
Cable Diameter (mm)	12.5	12.5	14.5	16.5	17.5	19.0
Tolerance Range (mm)	±0.5, or customized					
Cable Weight (kgs/km)	200	220	255	300	350	400

Mechanical Characteristic

Tensile (N)	Long term	1000
	Short term	3000
Crush (N/100mm)	Long term	1000
	Short term	3000
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-40 ~ +70	

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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GYFTY

Recommended Laying Methods:

Aerial

Application Fields:

LAN, and long distance cabling

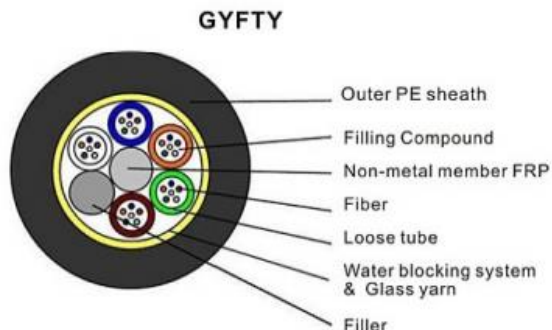
Power transmission system

Characteristic

Non-metallic,

Anti-electromagnetism

Anti-thunder, anti-static electricity



Geometrical Characteristic

Fiber Count	2-36	38-60	62-72	74-96	98-120	122-216
Cable Diameter (mm)	8.0	9.0	10.0	11.0	12.5	14.5
Tolerance Range (mm)	±0.5, or customized					
Cable Weight (kgs/km)	90	105	115	150	190	230

Mechanical Characteristic

Tensile (N)	Long term	600
	Short term	1500
Crush (N/100mm)	Long term	300
	Short term	1000
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)		-40~+70

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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GYTC8S 1x7-3.0

Recommended Laying Methods:

Self-support aerial

Application Fields:

LAN, and long distance cabling

FTTH project backbone cabling

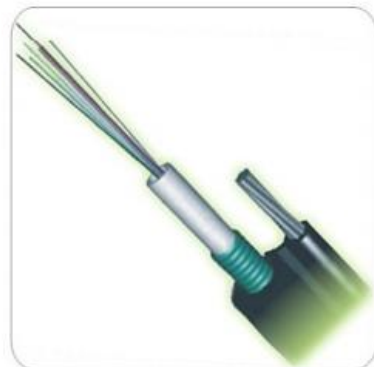
Characteristic

Long span distance

Multi-fiber to data transmission

Water proof, high anti-crush strength

High tensile, good for installation



Geometrical Characteristic

Fiber Count	2-24	26-36	38-60
Cable Diameter (mm)	8.5x15.5	10.0x17.0	10.0x17.0
Tolerance Range (mm)			
Cable Weight (kgs/km)	190	200	235

Mechanical Characteristic

Allowed tension (N)	4950	
Safe tension (N)	2500	
Min. broken tension (N)	7990	
Crush (N/100mm)	Long term	1000
	Short term	2000
Min. Bending radius (D=Cable diameter)	Dynamic	20xH
	Static	10xH
Temperature Range (°C)	-40~+70	

Fiber Type

Fiber Type	SM9/125,MM50/125,MM62.5/125,OM3,OM4
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GYTC8S 1x7-3.6

Recommended Laying Methods:

Self-support aerial

Application Fields:

LAN, and long distance cabling

FTTH project backbone cabling

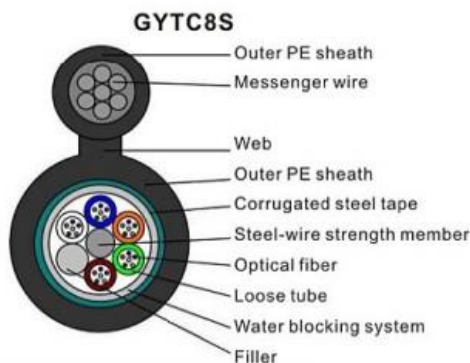
Characteristic

Long span distance

Multi-fiber to data transmission

Water proof, high anti-crush strength

High tensile, good for installation



Geometrical Characteristic

Fiber Count	2-24	26-36	38-60	62-72	74-96
Cable Diameter (mm)	8.5x16.1	10.0x17.6	10.0x17.6	11.0x18.6	12.0x19.6
Tolerance Range (mm)	±0.5, or customized				
Cable Weight (kgs/km)	200	210	220	245	270

Mechanical Characteristic

Allowed tension (N)	7100	
Safe tension (N)	3500	
Min. broken tension (N)	10710	
Crush (N/100mm)	Long term	1000
	Short term	2000
Min. Bending radius (D=Cable diameter)	Dynamic	20xH
	Static	10xH
Temperature Range (°C)	-40~+70	

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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GYTC8S 1x7-4.2

Recommended Laying Methods:

Self-support aerial

Application Fields:

LAN, and long distance cabling

FTTH project backbone cabling

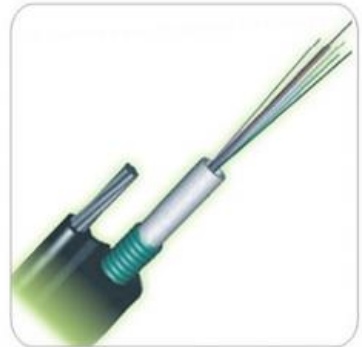
Characteristic

Long span distance

Multi-fiber to data transmission

Water proof, high anti-crush strength

High tensile, good for installation



Geometrical Characteristic

Fiber Count	2-30	32-36	38-60	62-72	74-96
Cable Diameter (mm)	8.5x16.7	10.0x18.2	10.0x18.2	11.0x19.2	12.0x20.2
Tolerance Range (mm)	±0.5, or customized				
Cable Weight (kgs/km)	210	230	240	255	290

Mechanical Characteristic

Allowed tension (N)	9700	
Safe tension (N)	4800	
Min. broken tension (N)	15550	
Crush (N/100mm)	Long term	1000
	Short term	2000
Min. Bending radius (D=Cable diameter)	Dynamic	20xH
	Static	10xH
Temperature Range (°C)	-40~+70	

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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GYXTC8S

Recommended Laying Methods:

Self-support aerial

Application Fields:

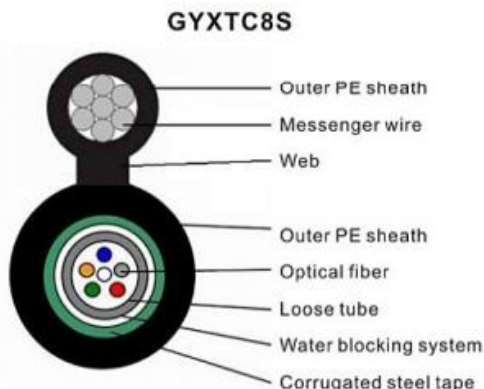
LAN, and long distance cabling

Characteristic

Strong water-resistance Performance

High anti-crush and tensile strength

Rodent-proof



Geometrical Characteristic

Fiber Count	2-12
Cable Diameter (mm)	7.5x12.9
Tolerance Range (mm)	±0.2, or customized
Cable Weight (kgs/km)	135

Mechanical Characteristic

Tensile (N)	Long term	1000
	Short term	3000
Crush (N/100mm)	Long term	1000
	Short term	2000
Min. Bending radius (D=Cable diameter)	Dynamic	20xH
	Static	10xH
Temperature Range (°C)		-40~+70

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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ADSS

Recommended Laying Methods:

Self-support aerial

Application Fields:

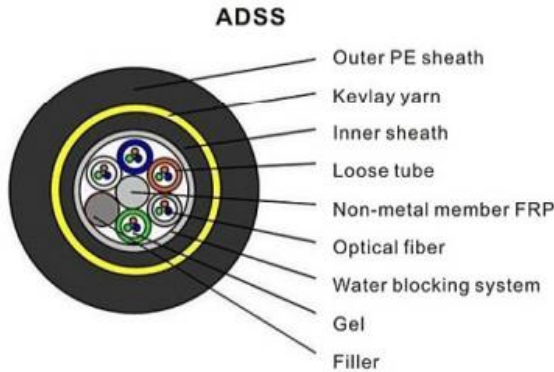
LAN, and long distance cabling

Characteristic

Loose tube, Non-metallic,

High tensile strength

Long work time at electric field below 25KV/m



Geometrical Characteristic

Fiber Count	24	24
Cable Diameter (mm)	12	12
Tolerance Range (mm)	±0.5, or customized	
Cable Weight (kgs/km)	200	185

Mechanical Characteristic

Span (M)	Windspeed10m/s	800
	Windspeed35m/s	800
Linear Expanding Coefficient (1/k)	Windspeed10m/s	0.02x10
	Windspeed35m/s	0.11x10
Safely running strain (N)	Windspeed10m/s	29680
	Windspeed35m/s	19600
Temperature Range (°C)	-40~+70	

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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GYXTW

Recommended Laying Methods:

Aerial

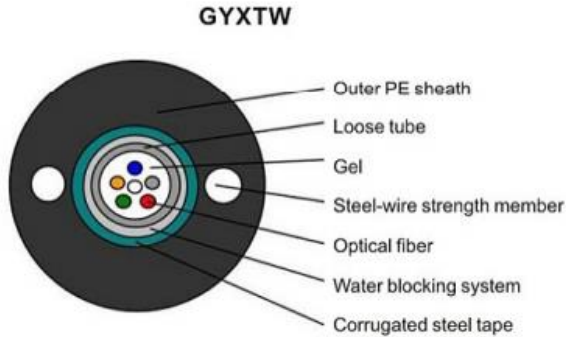
Application Fields:

LAN, and long distance cabling

Characteristic

Strong water-resistance Performance

High anti-crush and tensile strength



Geometrical Characteristic

Fiber Count	2-24
Cable Diameter (mm)	7.5~8.0
Tolerance Range (mm)	±0.5, or customized
Cable Weight (kgs/km)	80

Mechanical Characteristic

Tensile (N)	Long term	600
	Short term	1500
Crush (N/100mm)	Long term	300
	Short term	1000
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)		-40~+70

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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GYTS

Recommended Laying Methods:

Aerial, Duct

Application Fields:

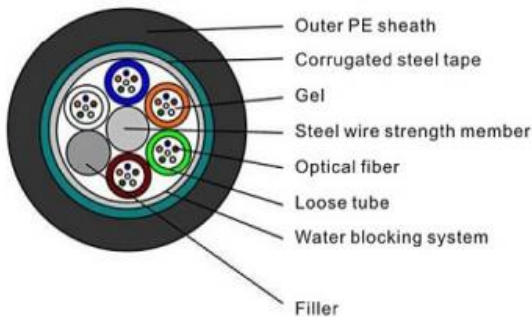
LAN, and long distance cabling

Characteristic

Strong water-resistance Performance

High anti-crush and tensile strength

GYTS



Geometrical Characteristic

Fiber Count	2-32	38-60	62-72	74-96	98-120	122-216
Cable Diameter (mm)	8.5	10.0	11.0	12.0	14.5	16.5
Tolerance Range (mm)	±0.5, or customized					
Cable Weight (kgs/km)	120	140	165	200	240	290

Mechanical Characteristic

Tensile (N)	Long term	600
	Short term	1500
Crush (N/100mm)	Long term	300
	Short term	1000
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)		-20~+60

Fiber Type

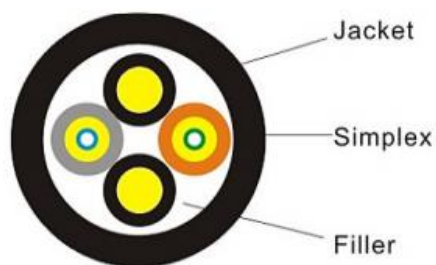
Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Base Station Fiber Optic Cable

Base Station Cable-2 core

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, Base station
- Jacket material: LSZH



Geometrical Characteristic

Fiber Count	Cable Diameter (mm)	Tolerance Range (mm)	Cable Weight (kgs/km)	Buffer Diameter (mm)
2	7.0	±0.2 , or customized	42	0.9

Mechanical Characteristic

Tensile (N)	Long term	200
	Short term	400
Crush (N/100mm)	Long term	300
	Short term	1000
Min. Bending radius (D=Cable diameter)	Long term	20xD
	Short term	10xD
Temperature Range (°C)		-20~+60

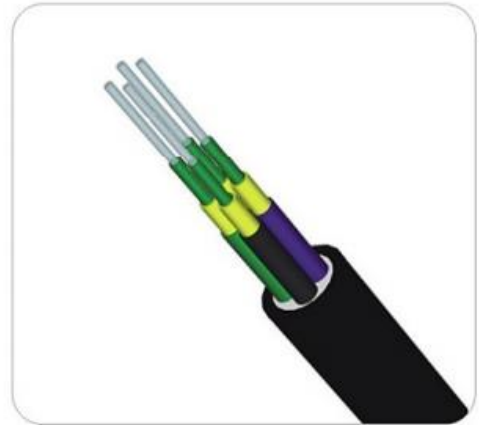
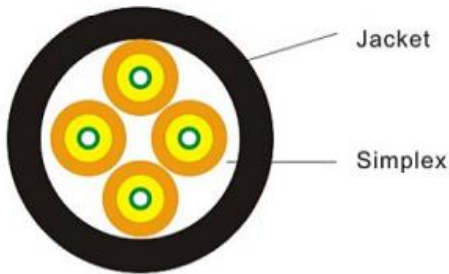
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Base Station Cable-4 core

Characteristic

- Multi choice for SM and MM fiber
- Flexible, sft, easy to install
- Applicable for Assembly, Base station
- Jacket material: LSZH



Geometrical Characteristic

Fiber Count	Cable Diameter (mm)	Tolerance Range (mm)	Cable Weight (kgs/km)	Buffer Diameter (mm)
4	7.0	±0.2, or customized	45	0.9

Mechanical Characteristic

Tensile (N)	Long term	200
	Short term	400
Crush (N/100mm)	Long term	300
	Short term	1000
Min. Bending radius (D=Cable diameter)	Long term	20xD
	Short term	10xD
Temperature Range (°C)		-20~+60

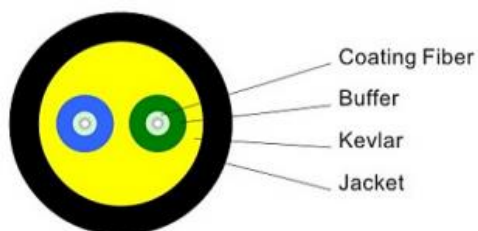
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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FTTA Cable I

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, Base station
- Good Mechanical and environmental performant
- UV protect jacket material: LSZH



FTTA Cable I



Geometrical Characteristic

Fiber Count	Cable Diameter (mm)	Tolerance Range (mm)	Cable Weight (kgs/km)	Buffer Diameter (mm)
2	4.8	±0.2, or customized	19	0.9

Mechanical Characteristic

Tensile (N)	Long term	200
	Short term	400
Crush (N/100mm)	Long term	1000
	Short term	3000
Min. Bending radius (D=Cable diameter)	Long term	20xD
	Short term	10xD
Temperature Range (°C)		-40~+90

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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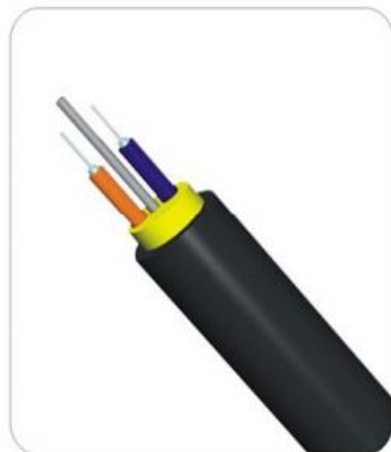
FTTA Cable II

Characteristic

- Multi choice for SM and MM fiber
- Flexible, soft, easy to install
- Applicable for Assembly, Base station
- Good Mechanical and environmental performant
- UV protect jacket material: LSZH



FTTA Cable II



Geometrical Characteristic

Fiber Count	Cable Diameter (mm)	Tolerance Range (mm)	Cable Weight (kgs/km)	Buffer Diameter (mm)
2	5.5	±0.2, or customized	25	0.9

Mechanical Characteristic

Tensile (N)	Long term	200
	Short term	400
Crush (N/100mm)	Long term	300
	Short term	1000
Min. Bending radius (D=Cable diameter)	Long term	20xD
	Short term	10xD
Temperature Range (°C)		-40~+80

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Data Center Optical Fiber Cable

Fiber-Ribbon

Characteristic

- Multi choice for SM and MM fiber
- Flexible, easy strip, easy to install
- Applicable for Assembly, cable and devices
- Various jacket options: PVC, LSZH,



Geometrical Characteristic

Fiber Count	2	4	6	8	10	12
Width(w)(mm)	≤ 0.7	≤ 1.22	≤ 1.77	≤ 2.3	≤ 2.85	≤ 3.4
Thickness(t)(mm)	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4	≤ 0.4
Horizontal Space Between Adjacent Fibers(d)(mm)	≤ 0.28	≤ 0.28	≤ 0.28	≤ 0.3	≤ 0.3	≤ 0.3
Horizontal Space Between End Fibers(b)(mm)	≤ 0.28	≤ 0.835	≤ 1.385	≤ 1.92	≤ 2.45	≤ 2.95
Planarity(p)(μm)	-	≤ 35	≤ 35	≤ 35	≤ 35	≤ 35

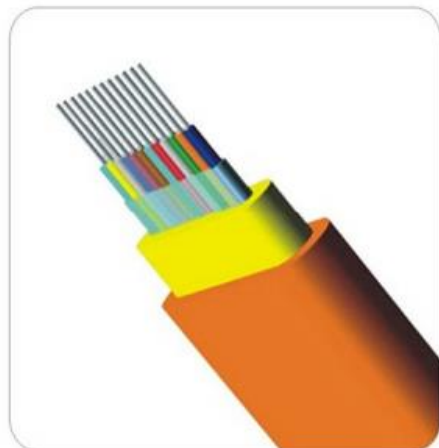
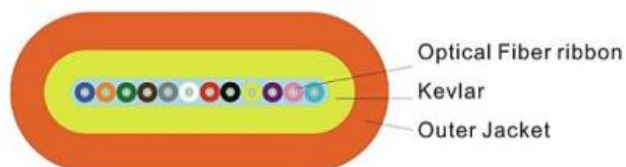
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Fiber-Ribbon Cable

Characteristic

- Multi choice for SM and MM fiber
- Flexible, easy strip, easy to install
- Applicable for Assembly, cable and
- Various jacket options: PVC, LSZH,



Geometrical

Fiber Count	4	6	8	12
Cable Diameter (mm)	2.5×3.5	2.5×4.0	2.5×4.5	2.5×5.0
Tolerance Range (mm)	±0.2, or customized			
Cable Weight (kgs/km)	7.2	8.2	9.0	10

Mechanical Characteristic

Tensile (N)	Long term	80
	Short term	200
Crush (N/100mm)	Long term	200
	Short term	500
Min. Bending radius (H=Cable Height)	Long term	20xH
	Short term	10xH
Temperature Range (°C)	-20~+60	

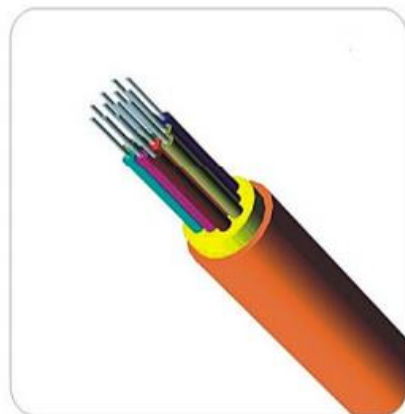
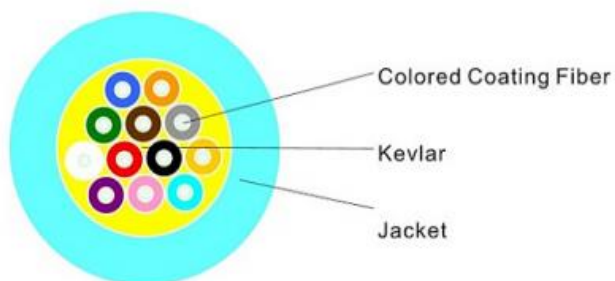
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Mini-core Cable 1-24F

Characteristic

- Multi choice for SM and MM fiber
- Small size, light weight, easy to install
- Applicable for Assembly, datacenter
- Various Jacket options: PVC, LSZH,



Geometrical

Fiber Count	2	4	6	8	12	24
Cable Diameter (mm)	2.0	2.0	2.0	2.4	3.0	3.5
Tolerance Range (mm)	±0.1, or customized					
Cable Weight (kgs/km)	3.5	3.6	3.7	3.9	7.0	8.0

Mechanical Characteristic

Tensile (N)	Long term	40
	Short term	80
Crush (N/100mm)	Long term	50
	Short term	100
Min. Bending radius (D=Cable diameter)	Long term	20xD
	Short term	10xD
Temperature Range (°C)	-20~+60	

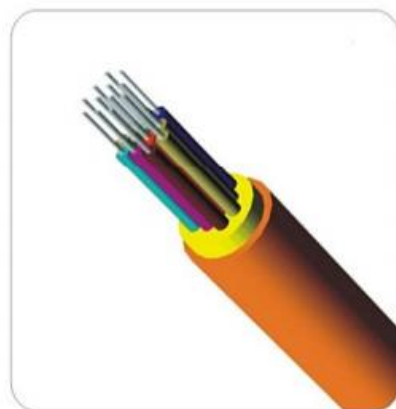
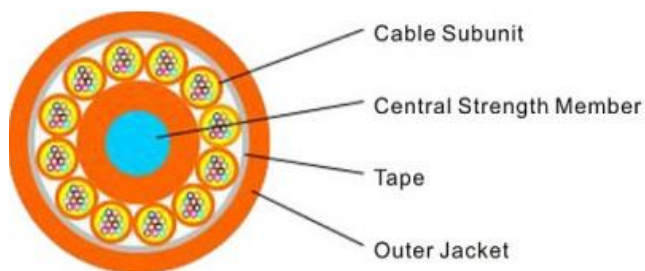
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Mini-core Cable 48-144F

Characteristic

- Multi choice for SM and MM fiber
- Small size, light weight, easy to install
- Applicable for Assembly, datacenter
- Various Jacket options: PVC LSZH



Geometrical Characteristic

Fiber Count	48	72	96	144
Cable Diameter (mm)	10.5	12.5	14.5	17.5
Tolerance Range (mm)	±0.5 or customized			
Cable Weight (kgs/km)	90	145	200	315

Mechanical Characteristic

Tensile (N)	Long term	200
	Short term	400
Crush (N/100mm)	Long term	200
	Short term	1000
Min. Bending radius (D=Cable diameter)	Long term	20xD
	Short term	10xD
Temperature Range (°C)	-20~+60	

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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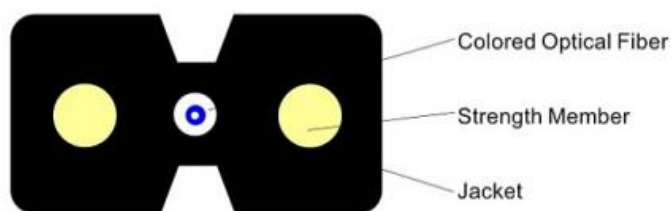


FTTx Cable

FTTH Indoor Drop Cable

Characteristic

- Small size, light weight, easy strip
- Flexible, easy bend, well for install
- Excellent Crush and tensile resistance,
- Jacket material: LSZH



Geometrical Characteristic

Fiber Count	1	2	4
Cable Diameter (mm)	3.0×2.0		3.1×2.0
Tolerance Range (mm)	±0.1, or customized		
Cable Weight (kgs/km)	9.0		

Mechanical Characteristic

Tensile (N)	Long term	40
	Short term	80
Crush (N/100mm)	Long term	500
	Short term	1000
Min. Bending radius (H=Cable Height)	Long term	20xH
	Short term	10xH
Temperature Range (°C)	-40~+60	

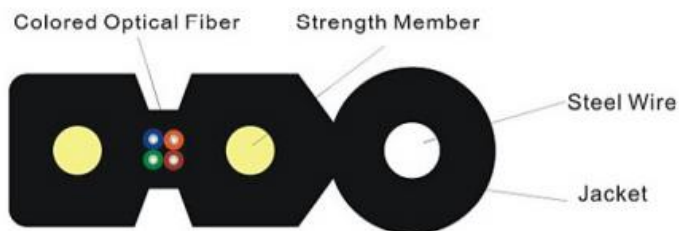
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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FTTH Outdoor Drop Cable

Characteristic

- Small size, light weight, easy strip
- Flexible, easy bend, well for install
- Excellent Crush and tensile resistance,
- Jacket material: LSZH



Geometrical Characteristic

Fiber Count	1	2	4
Cable Diameter (mm)	5.2×2.0		5.3×2.0
Tolerance Range (mm)	±0.1, or customized		
Cable Weight (kgs/km)	18	18	18

Mechanical Characteristic

Tensile (N)	Long term	300
	Short term	660
Crush (N/100mm)	Long term	1000
	Short term	2200
Min. Bending radius (H=Cable Height)	Long term	20xH
	Short term	10xH
Temperature Range (°C)	-40~+60	

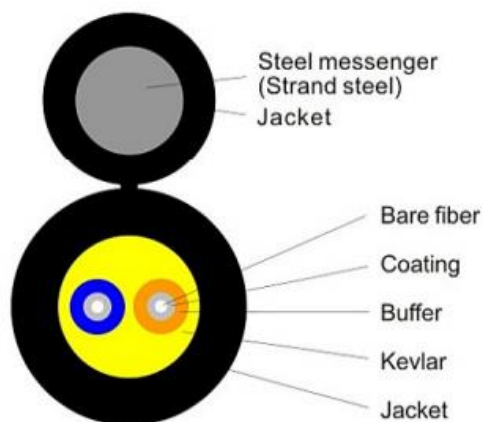
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
------------	---

Fig.8 Arial Cable

Characteristic

- Small size, light weight, easy strip
- Flexible, easy bend, well for install
- Excellent Crush and tensile resistance,
- Jacket material: LSZH



Geometrical Characteristic

Fiber Count	1	2
Cable Diameter (mm)	6.4 x 3.5	
Tolerance Range (mm)	±0.2, or customized	
Strand Steel wire Diameter (mm)	1.2	
Cable Weight (kgs/km)	20	

Mechanical Characteristic

Tensile (N)	Long term	300
	Short term	600
Crush (N/100mm)	Long term	1000
	Short term	2200
Min. Bending radius (H=Cable Height)	Long term	20xH
	Short term	10xH
Temperature Range (°C)	-20~+60	

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Fig.8 Arial Cable -GYTC8S

Recommended Laying Methods:

Self-support aerial

Application Fields:

LAN, and long distance cabling

FTTH project backbone cabling

Characteristic

Long span distance

Multi-fiber to data transmission

Water proof, high anti-crush strength

High tensile, good for installation



Geometrical Characteristic

Fiber Count	2-24	26-36	38-60
Cable Diameter (mm)	8.5x15.5	10.0x17.0	10.0x17.0
Tolerance Range (mm)			
Cable Weight (kgs/km)	190	200	235

Mechanical Characteristic

Allowed tension (N)	4950	
Safe tension (N)	2500	
Min. broken tension (N)	7990	
Crush (N/100mm)	Long term	1000
	Short term	2000
Min. Bending radius (D=Cable diameter)	Dynamic	20xH
	Static	10xH
Temperature Range (°C)	-40~+70	

Fiber Type

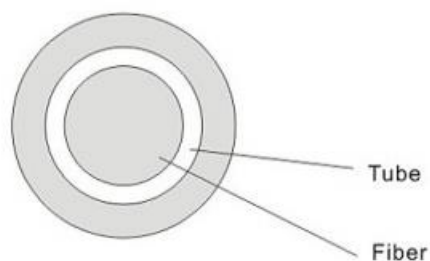
Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Armored Optical Fiber Cable

Armored Fiber Tube

Characteristic

- Flexible, easy to install
- Multi choice for SM and MM fiber
- Good protect for fiber data transmission
- Anti-rodent, high tensile and crush strength



Geometrical Characteristic

Fiber Diameter(μm)	250	600	900
Cladding Diameter (μm)	125.0 \pm 1.0		
Coating Diameter (μm)	245 \pm 10 for natural color, 250 \pm 15 for colored fiber		
Buffer Diameter (μm)	/	600 \pm 50	900 \pm 50
Stainless Steel Tube Diameter (mm)	0.6	0.9	1.5

Mechanical Characteristic

Crush (Max. N/100mm)	2000	
Min. Bending radius (D=fiber diameter)	Dynamic	20xD
	Static	10xD
Temperature Range ($^{\circ}\text{C}$)	-20 \sim +60	

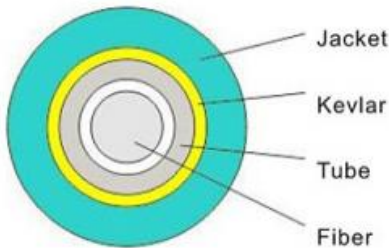
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Armored Simplex Cable

Characteristic

- Flexible, easy to install
- Multi choice for SM and MM fiber
- Good protect for fiber data transmission
- Anti-rodent, high tensile and crush strength
- Various Jacket options: PVC, LSZH, TPU



Geometrical Characteristic

Cable Diameter (mm)	1.6	1.8	2.0	2.4	2.8	3.0
Tolerance Range (mm)	±0.1, or customized					
Fiber Diameter (mm)	0.25	0.5	0.5	0.5	0.5	0.9
Armored tube Diameter (mm)	0.6	0.9	0.9	0.9	0.9	1.5
Cable Weight (kgs/km)	3.8	4.8	6.5	7.0	10.5	11.0

Mechanical Characteristic

Tensile (N)	Long term	100
	Short term	200
Crush (Max. N/100mm)	2000	
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-20~+60	

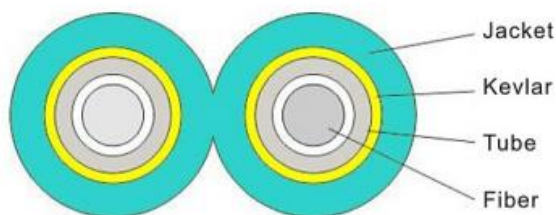
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Armored Zipcord Cable

Characteristic

- Flexible, easy to install
- Multi choice for SM and MM fiber
- Good protect for fiber data transmission
- Anti-rodent, high tensile and crush strength
- Various Jacket options: PVC, LSZH, TPU



Geometrical Characteristic

Cable Diameter (mm)	1.8x3.7	2.0x4.1	2.4x4.9	2.8x5.7	3.0x6.1
Tolerance Range (mm)	±0.1, or customized				
Fiber Diameter (mm)	0.5	0.5	0.5	0.5	0.9
Armored tube Diameter (mm)	0.9	0.9	0.9	0.9	1.5
Cable Weight (kgs/km)	9.6	13.0	14.0	21	22

Mechanical Characteristic

Tensile (N)	Long term	200
	Short term	400
Crush (Max. N/100mm)	4000	
Min. Bending radius (D=fiber diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-20~+60	

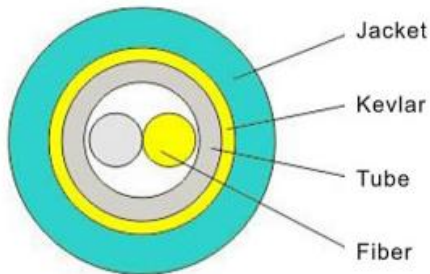
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Duplex Armored Cable

Characteristic

- Flexible, easy to install
- Multi choice for SM and MM fiber
- Good protect for fiber data transmission
- Anti-rodent, high tensile and crush strength
- Various Jacket options: PVC, LSZH, TPU



Geometrical Characteristic

Cable Diameter (mm)	3.0	3.5	4.8
Tolerance Range (mm)	±0.1, or customized		
Fiber Diameter (mm)	0.5	0.5	0.9
Armored tube Diameter (mm)	1.8	1.8	2.5
Cable Weight (kgs/km)	17	18.5	27

Mechanical Characteristic

Tensile (N)	Long term	300
	Short term	600
Crush (Max. N/100mm)	3000	
Min. Bending radius (D=Cable diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-20~+60	

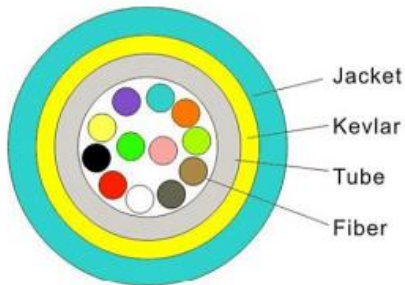
Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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Multi-fiber Armored Cable

Characteristic

- Flexible, easy to install
- Multi choice for SM and MM fiber
- Good protect for fiber data transmission
- Anti-rodent, high tensile and crush strength
- Various Jacket options: PVC, LSZH, TPU



Geometrical Characteristic

Fiber Count	4	6	8	12	24
Cable Diameter (mm)	4.2	4.5	5.0	5.5	7.0
Tolerance Range (mm)	±0.2, or customized				
Cable Weight (kgs/km)	25	28	32	38	54
Buffer Diameter(mm)					

Mechanical Characteristic

Tensile (N)	Long term	400
	Short term	800
Crush (Max. N/100mm)	3000	
Min. Bending radius (D=fiber diameter)	Dynamic	20xD
	Static	10xD
Temperature Range (°C)	-20~+60	

Fiber Type

Fiber Type	SM9/125, MM50/125, MM62.5/125, OM3, OM4
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