

Specification for Optical Cable

ITECO LTD

GYXTW central loose tube armored outdoor cable

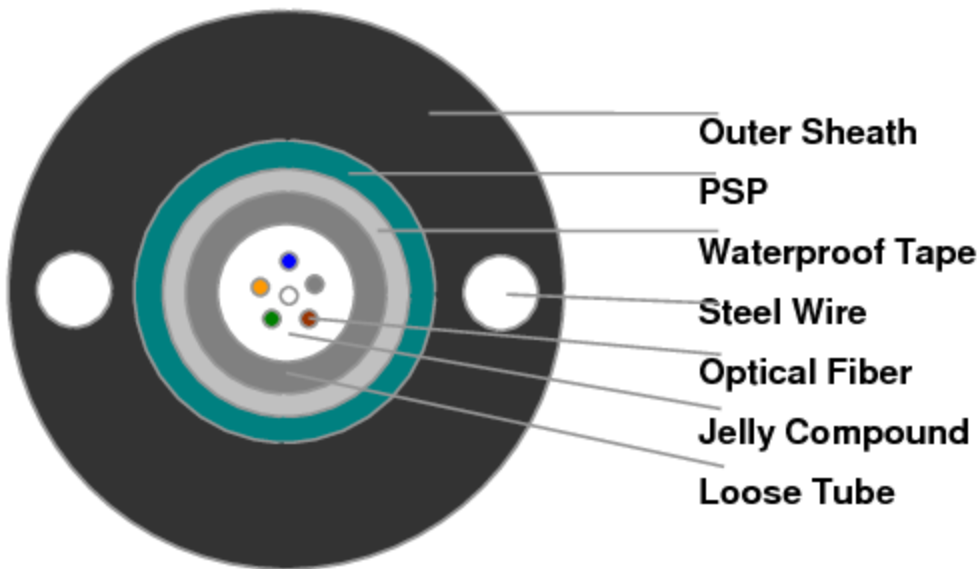


Description

- ◆ Single jelly compound filled loose tube containing up to 24 fibers
- ◆ Waterproof tape between the steel tape and loose tube with jelly compound
- ◆ Double-sided PE corrugated steel tape armored
- ◆ Parallel double steel wire as strength member
- ◆ Compact structure, light weight, steel tape armored excellent crush-resistant performance
- ◆ Excellent water-proof layer, good moisture resistance

Application

- ◆ Suitable for ducts and aerial.
- ◆ Long distance communication system
- ◆ Local area network system
- ◆ Subscriber network system



Product Information

Mechanical & Environmental characteristics

ITEM	CHARACTERISTICS
Operation temperature	-20°C~+60°C
Storage temperature	-40°C~+60°C
Sheath Material	P: PE; L: LSZH; or other

Part Number	Fiber Count	Outside Diameter (mm)	L.T Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
					S (N)	L (N)	S (N)	L (N)	S (mm)	L (mm)
GYXTW02XXP-BK	2	8.0	2.3	70.0	1500	600	1000	300	20D	10D
GYXTW04XXP-BK	4	8.0	2.3	70.0	1500	600	1000	300	20D	10D
GYXTW06XXP-BK	6	8.0	2.3	70.0	1500	600	1000	300	20D	10D
GYXTW08XXP-BK	8	8.0	2.3	70.0	1500	600	1000	300	20D	10D
GYXTW12XXP-BK	12	8.0	2.5	70.0	1500	600	1000	300	20D	10D
GYXTW16XXP-BK	16	8.3	2.5	78.0	1500	600	1000	300	20D	10D
GYXTW24XXP-BK	24	8.3	2.5	78.0	1500	600	1000	300	20D	10D

Note: GYXTW denotes outdoor cable type; XX denotes fiber P/N code (09: SM; 62: 62.5/125um; 50: 50/125um; OM3);

P denotes PE sheath (L: LSZH); BK denotes black outer sheath;

Optical Characteristics

Glass Type	62.5/125um	62.5/125um	50/125um	50/125um	50/125um	SM(G652.D)
	Grade B	Grade A	Grade B	Grade A	OM3	
P/N Code(X)	62B	62A	50B	50A	OM3	09
Wavelength	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	1310/1550nm
(MHz.km)	160/500	200/600	200/500	400/800	1500/500	—
(dB/km)	3.50/1.50	3.00/1.00	3..50/1.50	3.00/1.00	2.70/0.80	0.45/0.30
For 1000M	200/500	275/550	500/550	550/550	1000 ⁴ /600	—
For 10G	—	—	—	—	300/	—

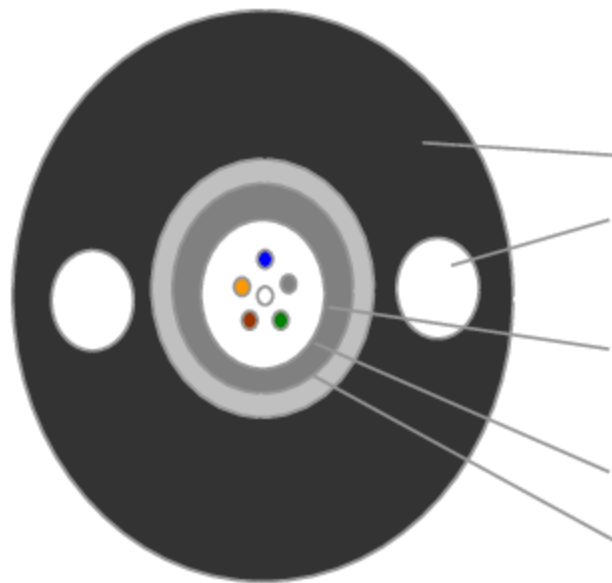
Fiber Colour Code

BL- Blue	BR- Brown	RE- Red	PU- Purple
OR- Orange	GY- Grey	BK- Black	PI- Pink
GR- Green	WH- White	YE- Yellow	AQ- Aqua

Note:

- 1.The colour arrangement of optical fiber is specified in the fiber colour code
- 2.S: short term; L: long term; L.T: loose tube
- 3.Crush load: N/100mm; D: cable diameter
- 4.GY: outdoor cable; X: central tube; T: jelly compound; W: steel wire+PE outer sheath

GYFXTY central loose tube FRP strength member optical cable



Outer Sheath
FRP Strength Member
Optical Fiber
Jelly Compound
Loose Tube

Description

- ◆ Single jelly compound filled loose tube containing up to 12 fibers
- ◆ Parallel double FRP as strength member ensures good performance of tensile strength
- ◆ PE sheath protects cable from ultraviolet radiation
- ◆ Small diameter, light weight and installation friendliness
- ◆ High strength loose tube with filling compound ensures critical protection of fiber

Application

- ◆ Suitable for ducts and aerial.
- ◆ Long distance communication system
- ◆ Local area network system
- ◆ Subscriber network system

Product Information

Mechanical & Environmental characteristics

ITEM	CHARACTERISTICS
Operation temperature	-20°C~+60°C
Storage temperature	-40°C~+60°C
Sheath Material	P: PE; L: LSZH; or other

Part Number	Fiber Count	Outside Diameter (mm)	LT Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
					S (N)	L (N)	S (N)	L (N)	S (mm)	L (mm)
GYFXTY02XXP-BK	2	7.1	2.3	60.0	1500	600	1000	300	20D	10D
GYFXTY04XXP-BK	4	7.1	2.3	60.0	1500	600	1000	300	20D	10D
GYFXTY06XXP-BK	6	7.1	2.3	60.0	1500	600	1000	300	20D	10D
GYFXTY08XXP-BK	8	7.1	2.3	60.0	1500	1000	1000	300	20D	10D
GYFXTY12XXP-BK	12	7.1	2.5	60.0	1500	1000	1000	300	20D	10D
GYFXTY16XXP-BK	16	7.3	2.5	75.0	1500	1000	1000	300	20D	10D

GYFXTY24XXP-BK	24	7.3	2.5	75.0	1500	1000	1000	300	20D	10D
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Note: GYFXTY denotes outdoor cable type;XX denotes fiber P/N code(09: SM; 62: 62.5/125um; 50: 50/125um;OM3) ;

P denotes PE sheath(L: LSZH) ; BK denotes black outer sheath;

Optical Characteristics

Glass Type	62.5/125um	62.5/125um	50/125um	50/125um	50/125um	SM(G652.D)
	Grade B	Grade A	Grade B	Grade A	OM3	
P/N Code(X)	62B	62A	50B	50A	OM3	09
Operating Wavelength	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	1310/1550nm
Bandwidth (MHz.km)	160/500	200/600	200/500	400/800	1500/500	—
Attenuation (dB/km)	3.50/1.50	3.00/1.00	3..50/1.50	3.00/1.00	2.70/0.80	0.45/0.30
Link Length For 1000M	200/500	275/550	500/550	550/550	1000 ⁴ /600	—
Link Length For 10G	-	—	—		300/	—

Fiber Colour Code

BL- Blue	BR- Brown	RE- Red	PU- Purple
OR- Orange	GY- Grey	BK- Black	PI- Pink
GR- Green	WH- White	YE- Yellow	AQ- Aqua

Note:

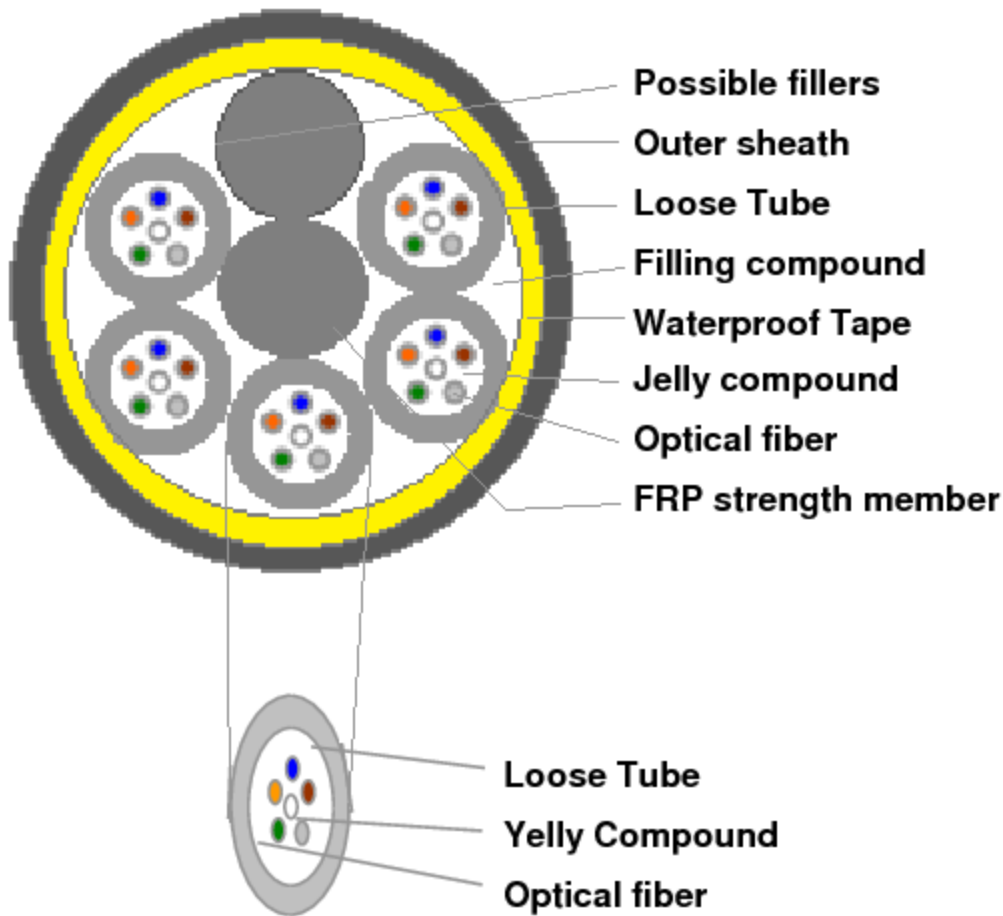
1.The colour arrangement of optical fiber is specified in the fiber colour code

2.S: short term; L: long term; L.T: loose tube

3.Crush load: N/100mm; D: cable diameter

4.GY: outdoor cable; F: FRP central strength member; X: central tube; T: jelly compound; Y: FRP+PE outer sheath

GYFTY non-metal loose tube layer-stranded optical cable



Description

- ◆ Special two-layer tube technology for good flexibility and bend-resistant property
- ◆ Water-blocking compound filled up and all cross section double water-blocking
- ◆ Non-metal structure good electromagnetism resistant property, suitable for electric field and some areas where thunders usually happen
- ◆ Excellent water-proof layer, good moisture resistance

Application

- ◆ Suitable for ducts and aerial.
- ◆ Long distance communication system
- ◆ Local area network system
- ◆ Subscriber network system
- ◆ In the vicinity of power lines or plants

Product Information

Mechanical & Environmental characteristics

ITEM	CHARACTERISTICS
Operation temperature	-20°C~+60°C
Storage temperature	-40°C~+60°C
Sheath Material	P: PE; L: LSZH; or other

Part Number	Fiber Count	Outside Diameter (mm)	Stranded Units	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
					S (N)	L (N)	S (N)	L (N)	S (mm)	L (mm)
GYFTY04XXP-BK	4	9.3	5	64.0	1500	600	1000	300	20D	10D
GYFTY06XXP-BK	6	9.3	5	64.0	1500	600	1000	300	20D	10D
GYFTY08XXP-BK	8	9.3	5	64.0	1500	600	1000	300	20D	10D
GYFTY12XXP-BK	12	9.3	5	64.0	1500	600	1000	300	20D	10D
GYFTY24XXP-BK	24	9.3	5	64.0	1500	600	1000	300	20D	10D

GYFTY36XXP-BK	36	9.3	5	64.0	1500	600	1000	300	20D	10D
GYFTY48XXP-BK	48	10.0	6	78.0	1500	600	1000	300	20D	10D
GYFTY72XXP-BK	72	10.0	6	78.0	3000	1000	1000	300	20D	10D
GYFTY96XXP-BK	96	13.0	8	140.0	3000	1000	1000	300	20D	10D
GYFTY144XXP-BK	144	17.0	12	260.0	3000	1000	1000	300	20D	10D

Note: GYFTY denotes outdoor cable type;XX denotes fiber type (09: SM; 62: 62.5/125um; 50: 50/125um;OM3) ;
P denotes PE sheath(L: LSZH) ; BK denotes black outer sheath;

Optical Characteristics

Glass Type	62.5/125um	62.5/125um	50/125um	50/125um	50/125um	SM(G652.D)
	Grade B	Grade A	Grade B	Grade A	OM3	
P/N Code(X)	62B	62A	50B	50A	OM3	09
Operating Wavelength	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	1310/1550nm
Bandwidth (MHz.km)	160/500	200/600	200/500	400/800	1500/500	—
Attenuation (dB/km)	3.50/1.50	3.00/1.00	3..50/1.50	3.00/1.00	2.70/0.80	0.45/0.30
Link Length For 1000M	200/500	275/550	500/550	550/550	1000 ⁴ /600	—
Link Length For 10G	-	—	—		300/	—

Fiber Colour Code

BL- Blue	BR- Brown	RE- Red	PU- Purple
OR- Orange	GY- Grey	BK- Black	PI- Pink
GR- Green	WH- White	YE- Yellow	AQ- Aqua

Note:

- 1.The colour arrangement of optical fiber is specified in the fiber colour code
- 2.S: short term; L: long term; L.T: loose tube
- 3.Crush load: N/100mm; D: cable diameter
- 4.GY: outdoor cable; F: FRP central strength member ; T: jelly compound; Y: PE outer sheath

GY(F)TS steel tape longitudinal layer-stranded optic cable

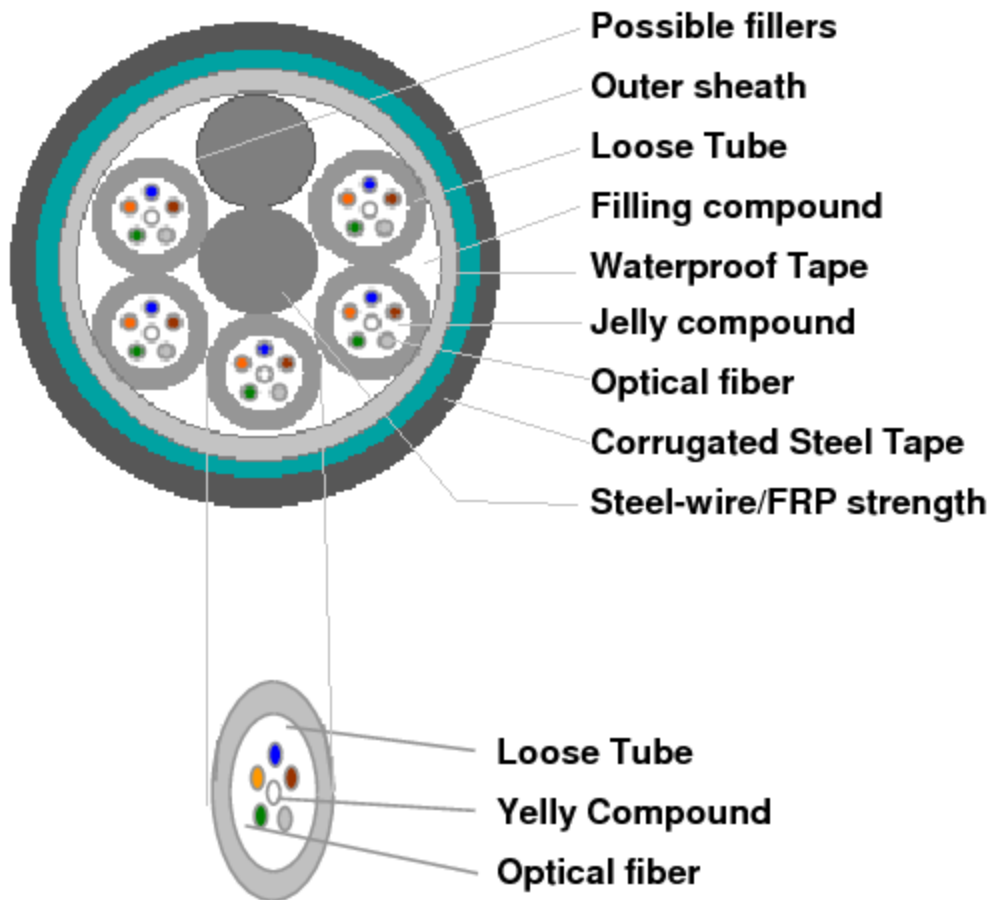


Description

- ◆ Loose tube style, Gel-filled, layer-stranded.
- ◆ optical fiber cable with metallic/non-metallic
- ◆ central strength member of steel wire/FRP
- ◆ Waterproof tape between the steel tape and cable core.
- ◆ Double side plastic steel tapes and PE extruded as outer sheath
- ◆ Good mechanical & environmental performance and moisture-resistance

Application

- ◆ Suitable for ducts and aerial.
- ◆ Long distance communication system
- ◆ Local area network system
- ◆ Subscriber network system



Product Information

Mechanical & Environmental characteristics

ITEM	CHARACTERISTICS
Operation temperature	-20°C~+60°C
Storage temperature	-40°C~+60°C
Sheath Material	P: PE; L: LSZH; or other

Part Number	Fiber Count	Outside Diameter (mm)	Stranded Units	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
					S (N)	L (N)	S (N)	L (N)	S (mm)	L (mm)
GY(F)TS04XXP-BK	4	9.5	5	104.0	1500	600	1000	300	20D	10D
GY(F)TS06XXP-BK	6	9.5	5	104.0	1500	600	1000	300	20D	10D
GY(F)TS08XXP-BK	8	9.5	5	104.0	1500	600	1000	300	20D	10D
GY(F)TS12XXP-BK	12	9.5	5	104.0	1500	600	1000	300	20D	10D
GY(F)TS24XXP-BK	24	9.5	5	104.0	1500	600	1000	300	20D	10D
GY(F)TS36XXP-BK	36	9.5	5	104.0	1500	600	1000	300	20D	10D
GY(F)TS48XXP-BK	48	11.0	6	140.0	1500	600	1000	300	20D	10D

GY(F)TS72XXP-BK	72	11.0	6	140.0	3000	1000	1000	300	20D	10D
GY(F)TS96XXP-BK	96	14.0	8	200.0	3000	1000	1000	300	20D	10D
GY(F)TS144XXP-BK	144	18.0	12	290.0	3000	1000	1000	300	20D	10D

Note: GY(F)TS denotes outdoor cable type;XX denotes fiber type (09: SM; 62: 62.5/125um; 50: 50/125um;OM3) ;
P denotes PE sheath(L: LSZH) ; BK denotes black outer sheath;

Optical Characteristics

Glass Type	62.5/125um	62.5/125um	50/125um	50/125um	50/125um	SM(G652.D)
	Grade B	Grade A	Grade B	Grade A	OM3	
P/N Code(X)	62B	62A	50B	50A	OM3	09
Operating Wavelength	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	1310/1550nm
Bandwidth (MHz.km)	160/500	200/600	200/500	400/800	1500/500	—
Attenuation (dB/km)	3.50/1.50	3.00/1.00	3..50/1.50	3.00/1.00	2.70/0.80	0.45/0.30
Link Length For 1000M	200/500	275/550	500/550	550/550	1000 ⁴ /600	—
Link Length For 10G	-	—	—		300/	—

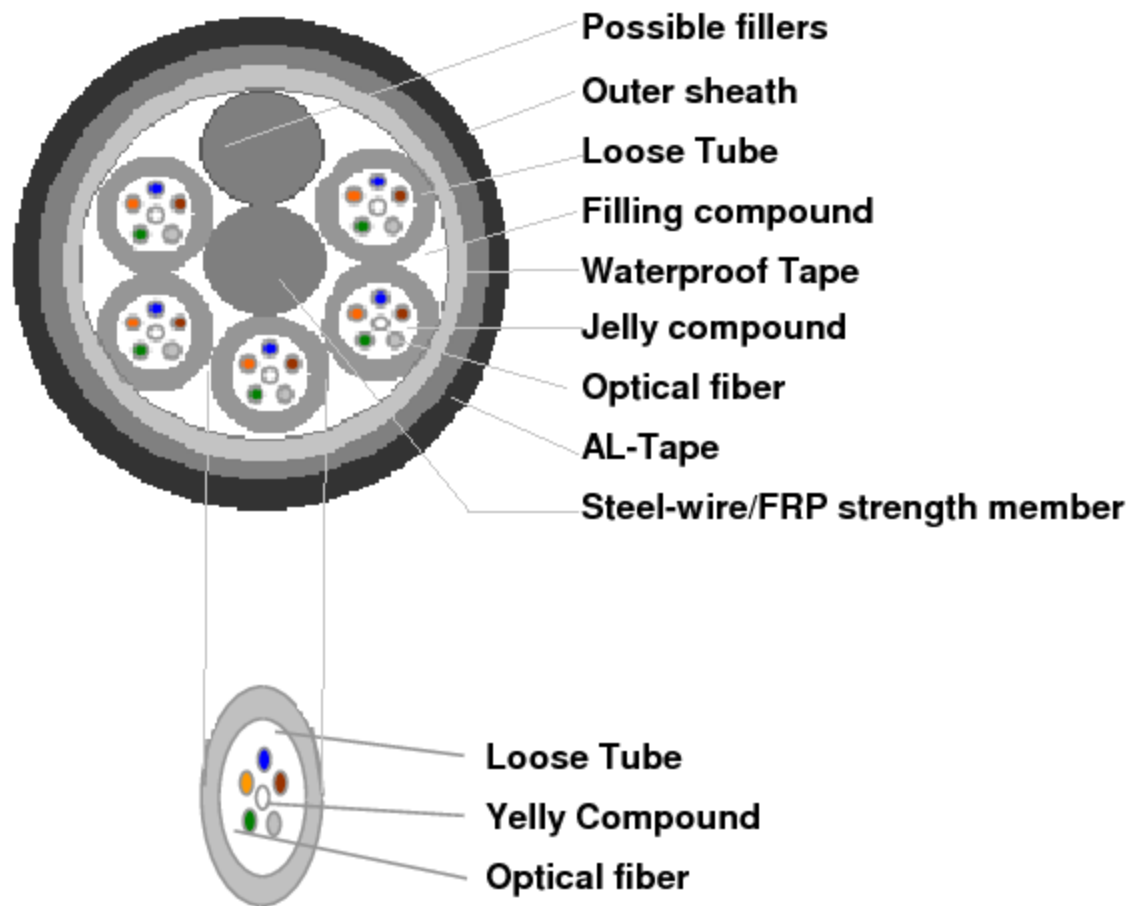
Fiber Colour Code

BL- Blue	BR- Brown	RE- Red	PU- Purple
OR- Orange	GY- Grey	BK- Black	PI- Pink
GR- Green	WH- White	YE- Yellow	AQ- Aqua

Note:

- 1.The colour arrangement of optical fiber is specified in the fiber colour code
- 2.S: short term; L: long term; L.T: loose tube
- 3.Crush load: N/100mm; D: cable diameter
- 4.GY: outdoor cable; F: FRP central strength member; T: jelly compound; S: steel tape +PE outer sheath

GY(F)TA aluminum tape longitudinal layer-stranded optical cable



Description

- ◆ Loose tube style, Gel-filled, layer-stranded optical fiber cable with metallic/non-metallic central strength member of steel wire/FRP
- ◆ Waterproof tape between the AL-tape and cable core.
- ◆ Double side plastic aluminum tape and PE extruded as outer sheath
- ◆ Good mechanical & environmental performance and moisture-resistance

Application

- ◆ Suitable for ducts and aerial.
- ◆ Long distance communication system
- ◆ Local area network system
- ◆ Subscriber network system

Product Information

Mechanical & Environmental characteristics

ITEM	CHARACTERISTICS
Operation temperature	-20°C~+60°C
Storage temperature	-40°C~+60°C
Sheath Material	P: PE; L: LSZH; or other

Part Number	Fiber Count	Outside Diameter (mm)	Stranded Units	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
					S (N)	L (N)	S (N)	L (N)	S (mm)	L (mm)
GY(F)TA04XXP-BK	4	10.0	5	89.0	1500	600	1000	300	20D	10D
GY(F)TA06XXP-BK	6	10.0	5	89.0	1500	600	1000	300	20D	10D
GY(F)TA08XXP-BK	8	10.0	5	89.0	1500	600	1000	300	20D	10D
GY(F)TA12XXP-BK	12	10.0	5	89.0	1500	600	1000	300	20D	10D
GY(F)TA24XXP-BK	24	10.0	5	89.0	1500	600	1000	300	20D	10D

GY(F)TA36XXP-BK	36	10.0	5	89.0	1500	600	1000	300	20D	10D
GY(F)TA48XXP-BK	48	11.0	6	120.0	1500	600	1000	300	20D	10D
GY(F)TA72XXP-BK	72	11.0	6	120.0	3000	1000	1000	300	20D	10D
GY(F)TA96XXP-BK	96	14.0	8	176.0	3000	1000	1000	300	20D	10D
GY(F)TA144XXP-BK	144	18.0	12	265.0	3000	1000	1000	300	20D	10D

Note: GY(F)TA denotes outdoor cable type;XX denotes fiber type (09: SM; 62: 62.5/125um; 50: 50/125um;OM3) ;
P denotes PE sheath(L: LSZH) ; BK denotes black outer sheath;

Optical Characteristics

Glass Type	62.5/125um	62.5/125um	50/125um	50/125um	50/125um	SM(G652.D)
	Grade B	Grade A	Grade B	Grade A	OM3	
P/N Code(X)	62B	62A	50B	50A	OM3	09
Operating Wavelength	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	1310/1550nm
Bandwidth (MHz.km)	160/500	200/600	200/500	400/800	1500/500	—
Attenuation (dB/km)	3.50/1.50	3.00/1.00	3..50/1.50	3.00/1.00	2.70/0.80	0.45/0.30
Link Length For 1000M	200/500	275/550	500/550	550/550	1000 ⁴ /600	—
Link Length For 10G	—	—	—	—	300/	—

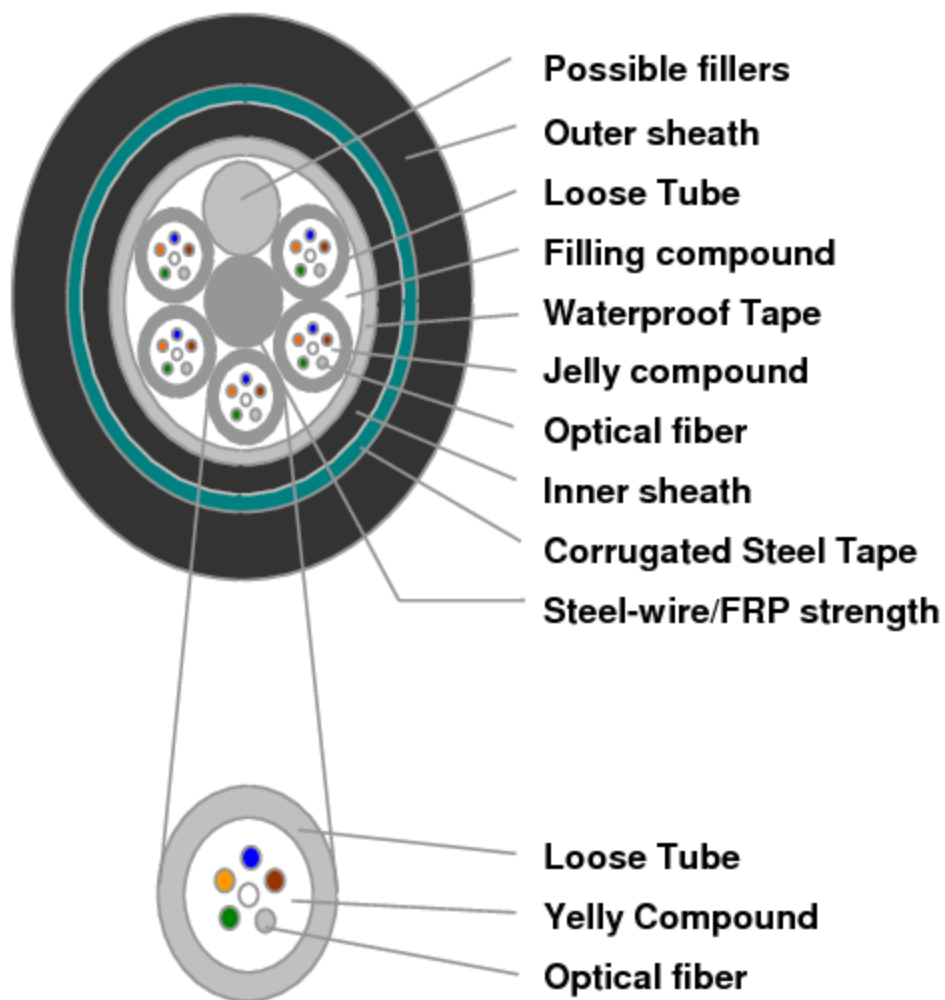
Fiber Colour Code

BL- Blue	BR- Brown	RE- Red	PU- Purple
OR- Orange	GY- Grey	BK- Black	PI- Pink
GR- Green	WH- White	YE- Yellow	AQ- Aqua

Note:

- 1.The colour arrangement of optical fiber is specified in the fiber colour code
- 2.S: short term; L: long term; L.T: loose tube
- 3.Crush load: N/100mm; D: cable diameter
- 4.GY: outdoor cable; F: FRP central strength member; T: jelly compound; A: AL-tape +PE outer sheath

GY(F)TY53 steel tape longitudinal armored 2PE sheath optical cable



Description

- ◆ Loose tube style, Gel-filled, layer-stranded.
- ◆ optical fiber cable with metallic/non-metallic
- ◆ central strength member of steel wire/FRP
- ◆ Filling compound and inner sheath
- ◆ Double-sided PE corrugated steel tape+PE outer sheath.
- ◆ Two-layer sheath for excellent
- ◆ crush-resistant performance
- ◆ Good mechanical&environmental performance and moisture-resistance

Application

- ◆ Suitable for direct buried, ducts and aerial.
- ◆ Long distance communication system
- ◆ Local area network system
- ◆ Subscriber network system

Product Information

Mechanical & Environmental characteristics

ITEM	CHARACTERISTICS
Operation temperature	-20°C~+60°C
Storage temperature	-40°C~+60°C
Sheath Material	P: PE; L: LSZH; or other

Part Number	Fiber Count	Outside Diameter (mm)	Stranded Units	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
					S (N)	L (N)	S (N)	L (N)	S (mm)	L (mm)
GY(F)TY5304XXP-BK	4	12.0	5	140.0	3000	1000	3000	1000	20D	10D
GY(F)TY5306XXP-BK	6	12.0	5	140.0	3000	1000	3000	1000	20D	10D
GY(F)TY5308XXP-BK	8	12.0	5	140.0	3000	1000	3000	1000	20D	10D
GY(F)TY5312XXP-BK	12	12.0	5	140.0	3000	1000	3000	1000	20D	10D
GY(F)TY5324XXP-BK	24	12.0	5	140.0	3000	1000	3000	1000	20D	10D
GY(F)TY5336XXP-BK	36	12.0	5	140.0	3000	1000	3000	1000	20D	10D

GY(F)TY5348XXP-BK	48	13.0	6	192.0	3000	1000	3000	1000	20D	10D
GY(F)TY5372XXP-BK	72	13.0	6	192.0	3000	1000	3000	1000	20D	10D
GY(F)TY5396XXP-BK	96	15.0	8	228.0	3000	1000	3000	1000	20D	10D
GY(F)TY53144XXP-BK	144	20.0	12	365.0	3000	1000	3000	1000	20D	10D

Note: GY(F)TY53 denotes outdoor cable type;XX denotes fiber type (09: SM; 62: 62.5/125um; 50: 50/125um;OM3) ;
P denotes PE sheath(L: LSZH) ; BK denotes black outer sheath;

Optical Characteristics

Glass Type	62.5/125um	62.5/125um	50/125um	50/125um	50/125um	SM(G652.D)
	Grade B	Grade A	Grade B	Grade A	OM3	
P/N Code(X)	62B	62A	50B	50A	OM3	09
Operating Wavelength	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	1310/1550nm
Bandwidth (MHz.km)	160/500	200/600	200/500	400/800	1500/500	—
Attenuation (dB/km)	3.50/1.50	3.00/1.00	3.50/1.50	3.00/1.00	2.70/0.80	0.45/0.30
Link Length For 1000M	200/500	275/550	500/550	550/550	1000 ⁴ /600	—
Link Length For 10G	-	—	—		300/	—

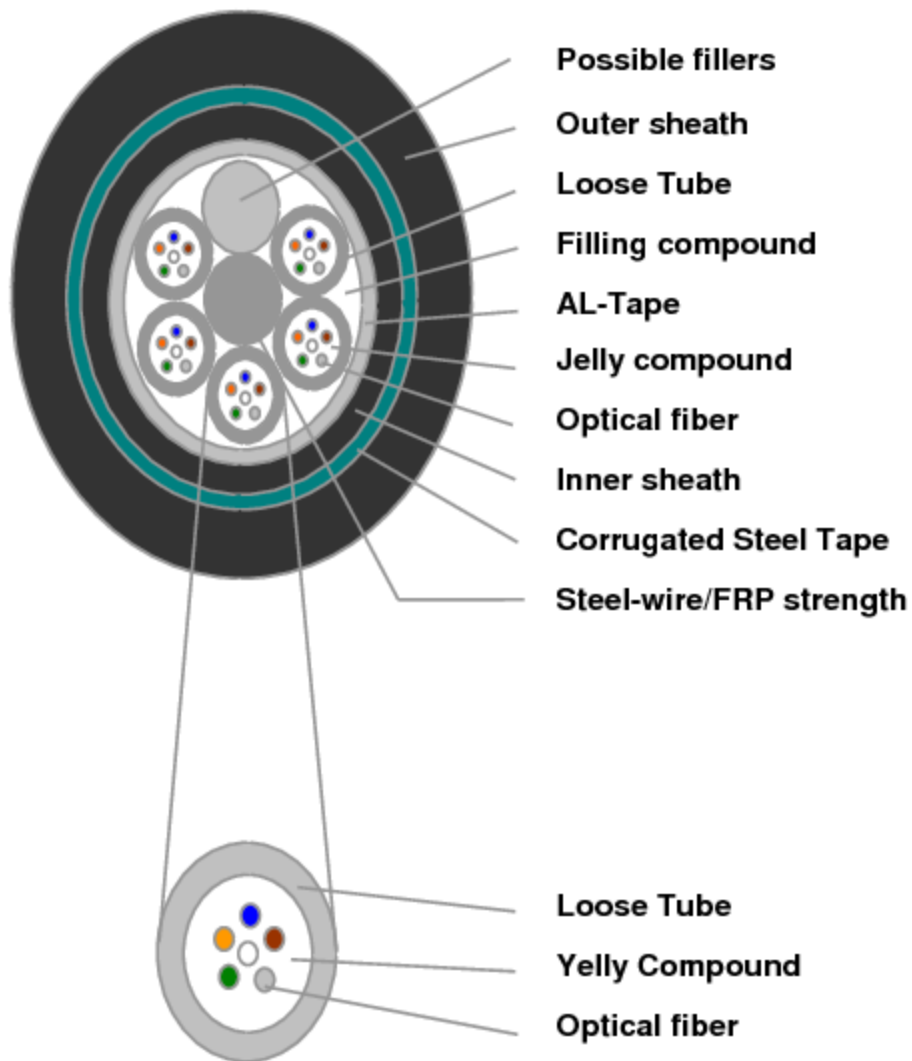
Fiber Colour Code

BL- Blue	BR- Brown	RE- Red	PU- Purple
OR- Orange	GY- Grey	BK- Black	PI- Pink
GR- Green	WH- White	YE- Yellow	AQ- Aqua

Note:

- 1.The colour arrangement of optical fiber is specified in the fiber colour code
- 2.S: short term; L: long term; L.T: loose tube
- 3.Crush load: N/100mm; D: cable diameter
- 4.GY: outdoor cable; F: FRP central strength member; T: jelly compound; Y: PE inner sheath
- 5.53: steel tape armored+PE outer sheath

GY(F)TA53 double layer armored 2PE sheath optical cable



Description

- ◆ Loose tube style, Gel-filled, layer-stranded. optical fiber cable with metallic/non-metallic central strength member of steel wire/FRP
- ◆ Filling compound and inner sheath With aluminum tape protected cable core
- ◆ Double-sided PE corrugated steel tape+ PE outer sheath.
- ◆ Two-layer sheath for excellent crush-resistant performance
- ◆ Good mechanical&environmental performance and moisture-resistance

Application

- ◆ Suitable for direct buried, ducts and aerial.
- ◆ Long distance communication system
- ◆ Local area network system
- ◆ Subscriber network system

Product Information

Mechanical & Environmental characteristics

ITEM	CHARACTERISTICS
Operation temperature	-20°C~+60°C
Storage temperature	-40°C~+60°C
Sheath Material	P: PE; L: LSZH; or other

Part Number	Fiber Count	Outside Diameter (mm)	Stranded Units	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
					S (N)	L (N)	S (N)	L (N)	S (mm)	L (mm)
GY(F)TA5304XXP-BK	4	13.0	5	244.0	3000	1000	3000	1000	20D	10D
GY(F)TA5306XXP-BK	6	13.0	5	244.0	3000	1000	3000	1000	20D	10D
GY(F)TA5308XXP-BK	8	13.0	5	244.0	3000	1000	3000	1000	20D	10D

GY(F)TA5312XXP-BK	12	13.0	5	244.0	3000	1000	3000	1000	20D	10D
GY(F)TA5324XXP-BK	24	13.0	5	244.0	3000	1000	3000	1000	20D	10D
GY(F)TA5336XXP-BK	36	13.0	5	244.0	3000	1000	3000	1000	20D	10D
GY(F)TA5348XXP-BK	48	15.0	6	278.0	3000	1000	3000	1000	20D	10D
GY(F)TA5372XXP-BK	72	15.0	6	278.0	3000	1000	3000	1000	20D	10D
GY(F)TA5396XXP-BK	96	16.0	8	305.0	3000	1000	3000	1000	20D	10D
GY(F)TA53144XXP-BK	144	19.0	12	330.0	3000	1000	3000	1000	20D	10D

Note: GY(F)TA53 denotes outdoor cable type;XX denotes fiber type (09: SM; 62: 62.5/125um; 50: 50/125um;OM3) ;
P denotes PE sheath(L: LSZH) ; BK denotes black outer sheath;

Optical Characteristics

Glass Type	62.5/125um	62.5/125um	50/125um	50/125um	50/125um	SM(G652.D)
	Grade B	Grade A	Grade B	Grade A	OM3	
P/N Code(X)	62B	62A	50B	50A	OM3	09
Operating Wavelength	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	1310/1550nm
Bandwidth (MHz.km)	160/500	200/600	200/500	400/800	1500/500	—
Attenuation (dB/km)	3.50/1.50	3.00/1.00	3..50/1.50	3.00/1.00	2.70/0.80	0.45/0.30
Link Length For 1000M	200/500	275/550	500/550	550/550	1000 ⁴ /600	—
Link Length For 10G	-	—	—		300/	—

Fiber Colour Code

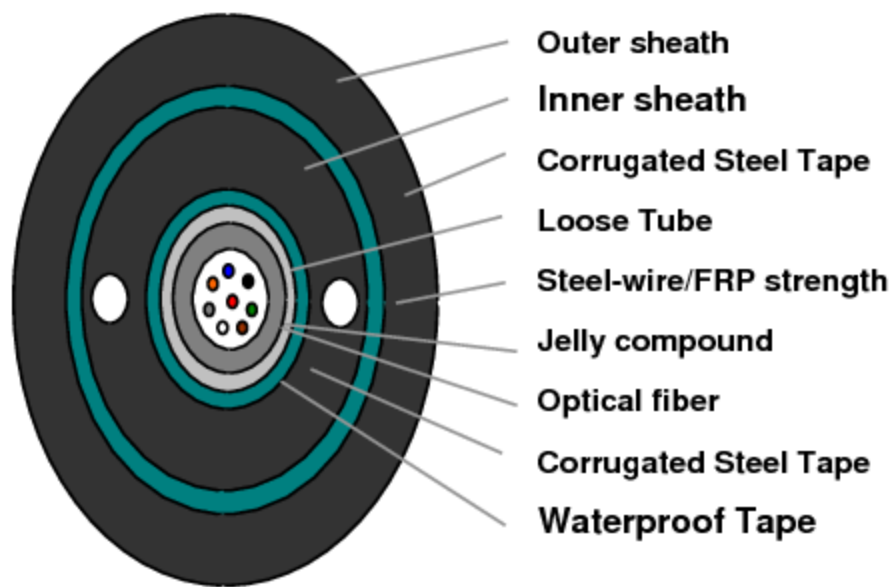
BL- Blue	BR- Brown	RE- Red	PU- Purple
OR- Orange	GY- Grey	BK- Black	PI- Pink
GR- Green	WH- White	YE- Yellow	AQ- Aqua

Note:

- 1.The colour arrangement of optical fiber is specified in the fiber colour code
- 2.S: short term; L: long term; L.T: loose tube
- 3.Crush load: N/100mm; D: cable diameter
- 4.GY:outdoor cable; F:FRP central strength member; T: jelly compound; A:aluminum tape+PE inner sheath 53:steel tape armored+ PE outer sheath

GYXTW53

Central Loose Tube Double Corrugated Steel Tape Armored and Double Sheath Optical cable



Description

- ◆ Single jelly compound filled loose tube containing up to 12 fibers colour code as per colour coding scheme.
- ◆ Double-sided PE corrugated steel tape+PE outer sheath.
- ◆ Two-layer sheath for excellent
- ◆ Compact structure,light weight,steel tape armored, excellent crush-resistant performance
- ◆ Parallel double steel wire as strength member

Application

- ◆ Suitable for direct buried,ducts and aerial
- ◆ Long distance communication system
- ◆ Local area network system
- ◆ Subscriber network system

Product Information

Mechanical & Environmental characteristics

ITEM	CHARACTERISTICS
Operation temperature	-20°C~+60°C
Storage temperature	-40°C~+60°C
Sheath Material	P: PE; L: LSZH; or other

Part Number	Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
				S (N)	L (N)	S (N)	L (N)	S (mm)	L (mm)
GYXTW5302XXP-BK	2	12.0	160.0	3000	1000	1500	500	20D	10D
GYXTW5304XXP-BK	4	12.0	160.0	3000	1000	1500	500	20D	10D
GYXTW5306XXP-BK	6	12.0	160.0	3000	1000	1500	500	20D	10D
GYXTW5308XXP-BK	8	12.0	160.0	3000	1000	1500	500	20D	10D
GYXTW5312XXP-BK	12	12.0	160.0	3000	1000	1500	500	20D	10D

Note: GYXTW53 denotes outdoor cable type;XX denotes fiber P/N code(09: SM; 62: 62.5/125um; 50: 50/125um;OM3) ;
P denotes PE sheath (L: LSZH) ; BK denotes black outer sheath;

Optical Characteristics

Glass Type	62.5/125um	62.5/125um	50/125um	50/125um	50/125um	SM(G652.D)
	Grade B	Grade A	Grade B	Grade A	OM3	
P/N Code(X)	62B	62A	50B	50A	OM3	09
Operating Wavelength	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	1310/1550nm
Bandwidth (MHz.km)	160/500	200/600	200/500	400/800	1500/500	—
Attenuation (dB/km)	3.50/1.50	3.00/1.00	3..50/1.50	3.00/1.00	2.70/0.80	0.45/0.30
Link Length For 1000M	200/500	275/550	500/550	550/550	1000 ⁴ /600	—
Link Length For 10G	-	—	—		300/	—

Fiber Colour Code

BL- Blue	BR- Brown	RE- Red	PU- Purple
OR- Orange	GY- Grey	BK- Black	PI- Pink
GR- Green	WH- White	YE- Yellow	AQ- Aqua

Note:

- 1.The colour arrangement of optical fiber is specified in the fiber colour code
- 2.S: short term; L: long term; L.T: loose tube
- 3.Crush load: N/100mm; D: cable diameter
- 4.GY: outdoor cable; X: central tube; T: jelly compound; W: steel wire+PE outer sheath
- 5.53: steel tape armored+PE outer sheath

Field Tactical cables

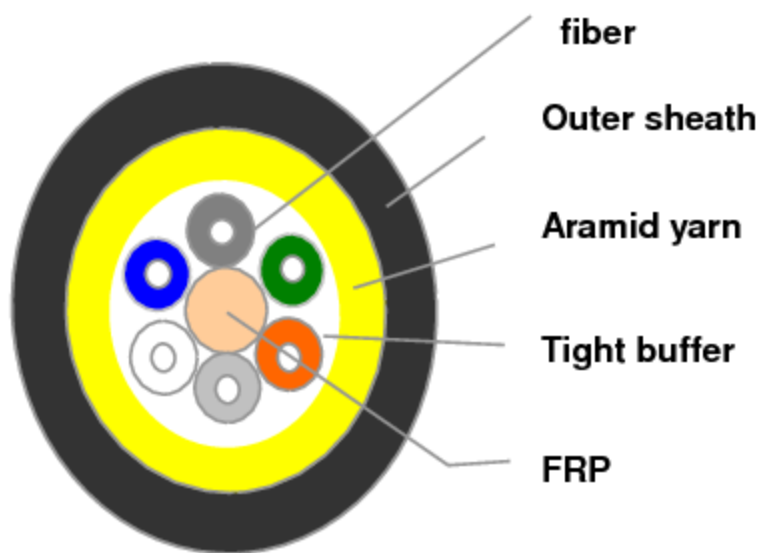


Description

- ◆ Extra rugged, high-strength design
- ◆ Crush-resistant and resilient. Excellent for use in deployment/retrieval applications.
- ◆ Tested and in use in military applications worldwide
- ◆ Suitable for manufacturing, mining and petrochemical environments
- ◆ Excellent chemical resistance

Application

- ◆ Ideal for use in military data communications in the wild
- ◆ Can be used outdoors on the ground in all terrain, including severe environments.
- ◆ Ideal for use in repeated deployment/retrieval applications like video field pickup, oil exploration.



Product Information

Mechanical & Environmental characteristics

ITEM	CHARACTERISTICS
Operation temperature	-20°C ~ +60°C
Storage temperature	-40°C ~ +60°C
Sheath Material	P: PU

Part Number	Fiber Count	Outside Diameter (mm)	Cable Weight (kg/km)	Tensile Load		Crush Load		Bend Radius	
				S (N)	L (N)	S (N)	L (N)	S (mm)	L (mm)
GJFJKY02XXP-BK	2	5.2	25.0	1500	600	1500	700	20D	10D
GJFJKY04XXP-BK	4	5.2	25.0	1500	600	1500	700	20D	10D
GJFJKY06XXP-BK	6	5.5	30.0	1500	600	1500	700	20D	10D

Note: GJFJKY denotes outdoor cable type; XX denotes fiber P/N code (09: SM; 62: 62.5/125um; 50: 50/125um; OM3);

P denotes PU sheath; BK denotes black outer sheath;

Optical Characteristics

Glass Type	62.5/125um	62.5/125um	50/125um	50/125um	50/125um	SM(G652.D)
	Grade B	Grade A	Grade B	Grade A	OM3	
P/N Code(X)	62B	62A	50B	50A	OM3	09
Operating Wavelength	850/1300nm	850/1300nm	850/1300nm	850/1300nm	850/1300nm	1310/1550nm
Bandwidth (MHz.km)	160/500	200/600	200/500	400/800	1500/500	
Attenuation (dB/km)	3.50/1.50	3.00/1.00	3.50/1.50	3.00/1.00	2.70/0.80	0.45/0.30
Link Length For 1000M	200/500	275/550	500/550	550/550	1000 ⁴ /600	
Link Length For 10G	—	—	—		300/	

Fiber Colour Code

BL- Blue	BR- Brown	RE- Red	PU- Purple
OR- Orange	GY- Grey	BK- Black	PI- Pink
GR- Green	WH- White	YE- Yellow	AQ- Aqua