NUWEN

NUWEN CO.,LTD

NUWEN WIRES · CABLE S CATALOUGE

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nuwen®

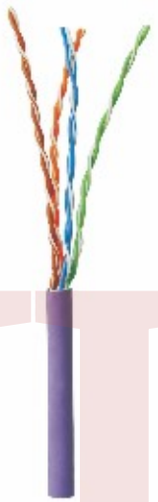
Lan Cable CAT 3 Series

Specifications:	UTP CAT3 1-6P	UTP CAT3 10-25P
Center conductor	BC/CCA	BC/CCA
Nominal dia.mm	0.50	0.50
Dielectric	PE	PE
Nominal dia.mm	0.90	0.9
Shield		
Foil		AL/pet
Jacket	PVC/PE	PVC/PE
Nominal dia.mm	3.2	12.0
Messenger		
	1.2	

Nominal Conductor Diameter	mm	0.4	0.5	0.63
Maximum Average Conductor Resistance @20°C	Ω/km	143	91	58
Minimum Insulation Resistance @500V DC	MΩ.km	6500	6500	6500
Maximum Individual Mutual Capacitance @800Hz (for 99% cases)	nF/km	60	60	60
Maximum Individual Capacitance Unbalance @800Hz pair-to-pair	pF/500m	275	275	275
Maximum Conductor Loop Resistance @20°C	Ω/km	300	192	114
Maximum Average Attenuation @0.8KHz	dB/km	1.64	1.3	1.04
Maximum Average Attenuation @1KHz	dB/km	1.68	1.35	1.08
Maximum Average Attenuation @3KHz	dB/km	3.18	2.52	2.01
Maximum Average Attenuation @150KHz	dB/km	11.4	8.3	6.2
Maximum Average Attenuation @772KHz	dB/km	24.3	19.4	15.4
Maximum Average Attenuation @1000KHz	dB/km	27.1	21.4	17.5

Lan Cable CAT 5E Series

Specifications:	UTP CAT5E	FTP CAT5E
Center conductor	BC/CCA	BC/CCA
Nominal dia.mm	0.50	0.50
Dielectric	PE	PE
Nominal dia.mm	0.91	1.05
Drain Wire		CCA
Nominal dia.mm		0.5
Shield		
Foil		AL/pet
Jacket	PVC/PE	PVC/PE
Nominal dia.mm	5.1	6.0
Messenger		
	1.3	1.3



Electrical Characteristics		UTP CAT5E		FTP CAT5E	
Impedance(Ohm)		100±15		100±15	
Velocity of Propagation		70		70	
Minimum Return Loss(dB)		≥23		≥23	
Frequency Attenuation(dB/100m)		NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
1 MHz	2.0	62.3	65.3	63.8	60.8
4 MHz	4.1	53.3	56.3	51.7	48.7
10 MHz	6.5	47.3	50.3	43.8	40.8
16 MHz	8.2	44.3	47.3	39.7	36.7
20 MHz	9.3	42.8	45.8	37.7	34.7
31.25 MHz	11.7	39.9	42.9	33.9	30.9
62.5 MHz	17.0	35.4	38.4	27.8	24.8
100 Mhz	22.0	32.3	35.3	23.8	20.8

Lan Cable CAT 6 Series

Specifications:	UTP CAT6	FTP CAT6	CAT6A
Center conductor	BC/CCA	BC/CCA	BC/CCA
Nominal dia.mm	0.57	0.57	0.57
Dielectric	PE	PE	PE
Nominal dia.mm	1.05	1.16	1.05
Cross			
Drain Wire		CCA	
Nominal dia.mm		0.5	
Shield			
Foil		AL/pet	
Jacket	PVC/PE	PVC/PE	PVC/PE
Nominal dia.mm	6.0	7.5	7.0

Electric Characeristics		UTP CAT6					FTP CAT6				CAT6A		
Impedance(Ohm)		100±15					100±15				100±15		
Velocity Return Loss		70					70				70		
Minimum Return Loss(dB)		≥23					≥23				≥23		
dB/100m	MHz	1	4	10	16	20	31.25	62.5	100	200	250	400	500
UTP CAT6	Frequency Attenuation	1.8	3.7	5.9	7.5	8.4	10.6	15.4	19.8	29.0	32.8		
	NEXT	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3		
	PS-NEXT	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3		
	ELFEXT	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8		
	PS-ELFEXT	64.8	52.8	44.8	40.7	38.8	34.9	28.8	24.8	18.8	16.8		
FTP CAT6	Frequency Attenuation	1.8	3.7	5.9	7.5	8.4	10.6	15.4	19.8	29.0	32.8		
	NEXT	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3		
	PS-NEXT	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3		
	ELFEXT	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8		
	PS-ELFEXT	64.8	52.8	44.8	40.7	38.8	34.9	28.8	24.8	18.8	16.8		
CAT6A	Frequency Attenuation	1.8	3.7	5.9	7.5	8.4	10.6	15.4	19.8	29.0	32.8	40.1	45.3
	NEXT	74.3	65.3	59.3	56.2	54.8	51.9	47.4	44.3	39.8	38.3	36.3	34.8
	PS-NEXT	72.3	63.3	57.3	54.2	52.8	49.9	45.4	42.3	37.8	36.3	33.3	31.8
	ELFEXT	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8	16.0	14.0
	PS-ELFEXT	64.8	52.8	44.8	40.7	38.8	34.9	28.8	24.8	18.8	16.8	13.0	11.0

CCTV CAMERA Cable

Specifications:	UTP CAT5E+2C	FTP CAT5E+2C
Center conductor	BC/CCA	BC/CCA
Nominal dia.mm	0.50	0.50
Dielectric	PE	PE
Nominal dia.mm	0.91	1.05
Drain Wire		CCA
Nominal dia.mm		0.4
Shield		
Foil		AL/pet
Jacket	PVC/PE	PVC/PE
Nominal dia.mm	5.1	6.0
2 CORE POWER WIRE		
Center conductor	BC/CCA	BC/CCA
Nominal dia.mm	0.75mm²	0.75mm²
Messenger		1.2

Electrical Characteristics		UTP CAT5E		FTP CAT5E	
Impedance(Ohm)		100±15		100±15	
Velocity of Propagation		70		70	
Minimum Return Loss(dB)		≥23		≥23	
Frequency	Attenuation(dB/100m)	NEXT	PS-NEXT	ELFEXT	PS-ELFEXT
1 MHz	2.0	62.3	65.3	63.8	60.8
4 MHz	4.1	53.3	56.3	51.7	48.7
10 MHz	6.5	47.3	50.3	43.8	40.8
16 MHz	8.2	44.3	47.3	39.7	36.7
20 MHz	9.3	42.8	45.8	37.7	34.7
31.25 MHz	11.7	39.9	42.9	33.9	30.9
62.5 MHz	17.0	35.4	38.4	27.8	24.8
100 Mhz	22.0	32.3	35.3	23.8	20.8

CCTV CAMERA Cable

Specifications:	RG 59+2C	RG6+2C
Center conductor	BC/CCS	BC/CCS
Nominal dia.mm	0.81	1.02
Dielectric	FPE	FPE
Nominal dia.mm	3.66	4.57
Outer conductor	CCA/AL	CCA/AL
Nominal Coverage	60%-95%	60%-95%
Jacket	PVC	PVC
Nominal dia.mm	6.0	6.8
2 CORE POWER WIRE		
Center conductor	BC/CCA	BC/CCA
Nominal dia.mm	0.75mm²	0.75mm²
Dielectric	PE/PVC	PE/PVC
Nominal dia.mm	1.8	1.8
Jacket	PVC	PVC
Nominal dia.mm	4.8	

Electrical Characteristics	RG 59		RG 6+2C	
Impedance(Ohm)	75±3		75±3	
Velocity of Propagation	85		85	
Minimum Return Loss(dB)	≥20		≥20	
Attenuation(dB/100m)	Frequency	Nominal values	Frequency	Nominal values
[@68 °F.(20℃)]	55MHz	3.73	55MHz	5.25
	211MHz	12.47	211MHz	10.00
	450MHz	17.72	450MHz	14.43
	750MHz	22.87	750MHz	18.54
	1000MHz	26.64	1000MHz	21.49

Coaxial Cable 75 ohm RG 59 6 11

Specifications:	RG 59	RG 6	RG 11
Center conductor	BC/CCS	BC/CCS	BC/CCS
Nominal dia.mm	0.81	1.02	1.63
Dielectric	FPE	FPE	FPE
Nominal dia.mm	3.66	4.57	7.11
Shield			
Foil	AL/Pet/B	AL/Pet/B	AL/Pet/B
Braid	AL	AL	AL
Nominal dia.mm	64x0.16	64x0.16	96x0.16
2nd Foil		AL	
2nd Braid			
Nominal dia.mm			
Jacket	PVC	PVC	PVC
Nominal dia.mm	6.0	6.9	10.03
Messenger			
Nominal dia.mm		1.3	1.83

Electrical Characteristics		RG 59	RG 6	RG 11
Impedance(Ohm)		75±3	75±3	75±3
Velocity of Propagation		85	85	85
Minimum Return Loss(dB)		≥20	≥20	≥20
Attenuation(dB/100m)	Frequency	dB/100m	dB/100m	dB/100m
[@68 °F.(20℃)]	5MHz	2.82	1.90	1.25
	55MHz	6.73	5.25	3.15
	211MHz	12.47	10.00	6.23
	330MHz	15.29	12.26	7.71
	450MHz	17.20	14.43	9.02
	550MHz	19.52	16.08	9.97
	600MHz	20.34	16.73	10.43
	750MHz	22.87	18.54	11.97
	870MHz	24.85	20.04	13.31
	1000MHz	26.64	21.49	14.27

Coaxial Cable 75 ohm Trunk Cable

Specifications:	QR 500-W	QR 500-S	QR 540-W	QR 540-SM
Center conductor	CCA	CCA	CCA	CCA
Nominal dia.mm	2.77	2.77	3.15	3.15
Dielectric	FPE	FPE	FPE	FPE
Nominal dia.mm	11.43	11.43	13.03	13.03
Outer Conducter	AL-T	AL-T	AL-T	AL-T
Thickness	0.35	0.64	0.35	0.7
Jacket	PE	PE	PE	PE
Nominal dia.mm	15.0	14.2	15.5	15.9
Messenger				steel
Nominal dia.mm	2.77	2.77	2.77	2.77

Electrical Characteristics		QR 500	QR 540
Impedance(Ohm)		75±3	75±3
Velocity of Propagation		85	85
Minimum Return Loss(dB)		≥22	≥22
Attenuation(dB/100m)	Frequency	dB/100m	dB/100m
[@68 °F.(20℃)]	5MHz	0.46	0.52
	55MHz	1.54	1.77
	211MHz	3.12	3.58
	250MHz	3.38	3.94
	300MHz	3.71	4.30
	350MHz	4.03	4.69
	400MHz	4.33	5.02
	450MHz	4.59	5.35
	500MHz	4.89	5.67
	550MHz	5.12	5.97
	600MHz	5.38	6.27
	750MHz	6.07	7.09
	865MHz	6.56	7.68
	1000MHz	7.12	8.27

Fire Alarm Cable EJ-Y(st)Y 105℃

Application

These cables are used for fire alarm connections in the electronic fire control system at fixed indoor installations.

Cable Construction

Conductor: Bare copper conductor
Insulation: 105℃ PVC insulation, with colour coding according to VDE0815
Cores twisted in layers
Polyester tape wrapping
Tinned copper drain wire/Bare Copper Wire
Shielded: Al-Pes Foil screen
Outer sheath: PVC/LSZH
Package: Packing in 100m/200m/coil,500m/1000m/drum
Reference Standard:Generally VDE 0815

Electrical Data

Operating Voltage: 300V
Test Voltage:2000V
Temperature Range: -10℃~+105℃
Min.Bending Radius: 10xOverall Diameter

No. Of Cores × Cross Section	Overall Diameter(mm)	Approx.Weight(kg/km)
2×18AWG	6.0	50
2×16AWG	6.9	77
2×14AWG	8.1	110

Cross Diameter	Max.Loop Resistance (ohm/km)	
18AWG(1.02mm)	45	21.5
16AWG(1.29mm)	26.4	13.2
14AWG(1.63mm)	16.6	8.3

RVB RVV Electric Audio Cable

Product description and Application

The audio cable is made of many stranded thin copper wires coated by PVC material.
The insulation material is high-quality PVC,which can be customized.
It has the characteristics of anti-aging,low temperature resistance,oil resistance, chemical corrosion resistance,environmental protection, low smoke and halogan-free,etc.
It can be used in household appliances, small power tools,lighting wires.

Conductor: Pure Copper/TC
Rated Voltage:300V
Package: 100m/roll,200m/roll or customized
Color: Red-black/Blue-black or customized
Outer Sheath:PVC
Temperature Range: -10℃~+70℃

Nominal section aera of conductor (mm²)	Conductor Structure (No./mm)	Insulation thickness (mm)	Maximum ConductorResistance (20℃)(Ω/km)		Minimum Insulation Ressitance (70℃)(MΩ/km)
			Copper Core	Tinned Copper Core	
2×0.50	28/0.15	0.8	39	40.1	0.016
2×0.75	42/0.15	0.8	26	26.7	0.014
2×1.0	56/0.15	0.8	19.5	20	0.012
2×1.5	85/0.15	0.8	13.3	13.7	0.011
2×2.5	142/0.15	0.8	7.98	8.21	0.01
2×4	226/0.15	0.8	4.95	5.09	0.008
2×6	189/0.20	1	3.3	3.39	0.0065

TVVB Elevator Trailing Cable

Application
The cable is designed with special structure and long service life, which can improve the operation efficiency of elevator manufacturing industry. The cable can provide overall electrical control in the case of long suspension and bear mechanical stress at the same time.

Cable Construction
Conductor:Stranded bare copper wire
Insulation:Mixed pvc,oil resistant,flame resistant and self-extinguishing
Sheath:pvc or other
Colour:black or grey

Electrical Data
Rated voltage:≦1.5mm 300/500V,≧1.5mm:450/750V
Test voltage:≦1.5mm 2500V,≧1.5mm 3000V
Temperature range:-15℃~+70℃
Minimum bending radius:0.3m≦L≦0.6m

Parameter

Roots	Roots*cross section	Conductor structure	Max overall size
3	3*1	3*32/0.20	9.6*5.2
3	3*1.5	3*48/0.20	19*6.0
6	6*1	6*32/0.20	21.0*5.2
6	6*1.5	6*48/0.20	23.5*6.0
9	9*1	9*32/0.20	26.65*5.2
9	9*1.5	9*48/0.20	30.90*6.0

TVV Power Wire+CAT5/CAT6 Elevator Cable

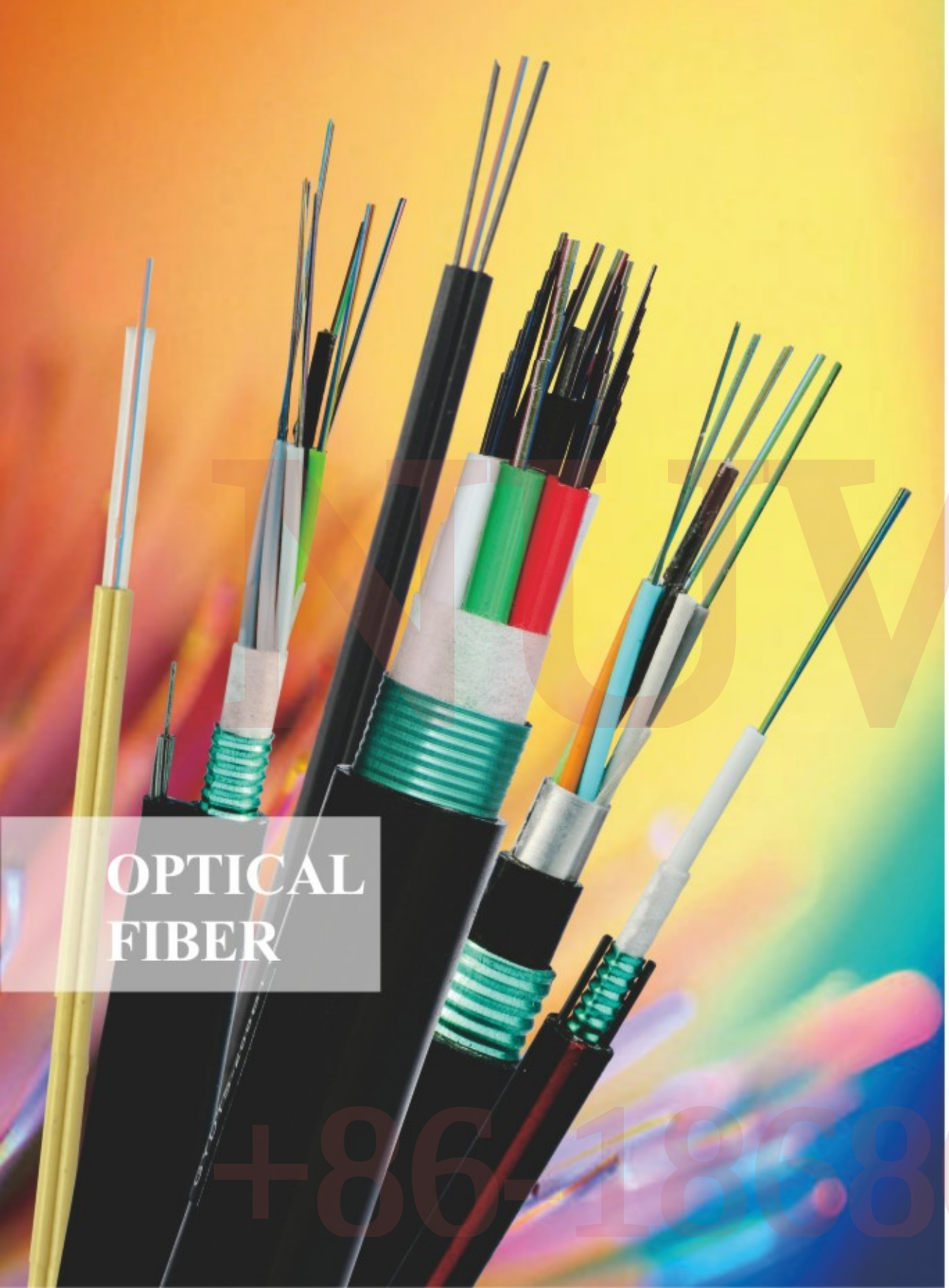
Application
Specialized in building elevator video field, communication system and control system, video monitoring system and closed-circuit monitoring system

Cable Construction
Conductor:bare copper wire
Insulation:PE/PVC
Sheath： PVC
Conductor structure:2*0.75/1.0+CAT5E/CAT6
Shied structure:48~128/0.10 ofc braiding+Al foil
Sheath thickness:>0.5mm
Squeezing mode:extrusion
Color:grey
Packing:200/500m/coil,PE film

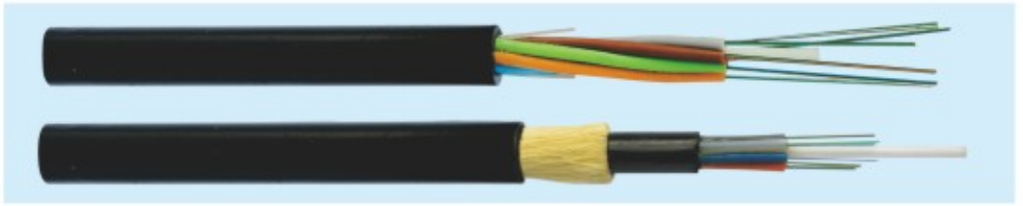
Electrical data
Impedance:100(±15)ohm
Voltage:12/24 V
Dielectric Strength:2000V
Insulation resistance:≧5000V

Transmission Performance for reference

Frequency	Attenuation	NEXT	PS-NEXT	ELFEXT	RL	PHASE	PHASE
MHZ	Max	Min.	Min.	Min.	Min.	VELOCITY	DELAY
	dB/100m	dB/100m	dB/100m	db/100m	dB	MIN(M/S)	MAX(ns/100m)
1	1.9	74	72	68	20	0.585c	570
4	3.7	65	63	56	23	—	552
10	5.9	59	57	48	25	0.611c	545
16	7.5	56	54	44	25	—	543
20	8.4	55	53	42	25	—	542
31.25	10.6	52	50	38	23.6	—	540
62.5	15.4	47	45	32	21.5	0.620c	539
100	19.8	44	42	28	20.1	—	538
200	29	40	38	22	18	0.622c	537
250	32.8	38	36	20	17.3		536



Stranded Loose Tube GYFTY ADSS

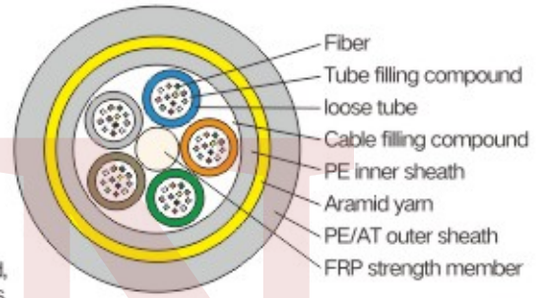


Type : ADSS
ADSS cable is the short form for All-dielectric Self-supporting Optical Cable.

ADSS fiber optic cable is loose tube stranded. T he tubes are filled with water resistant filling compound.A non-metalic central strength member surrounded by the tubes makes a circular cable core.

After the ADSS cable core is filled with filling compound, it is covered with a thin PE inner sheath, after two layers of Aramid yarns which are applied in two directions over the inner sheath as strength member,

ADSS optical fiber cable is completed with PE or AT outer sheath.

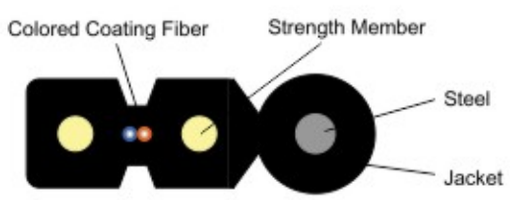


Features:
Can be installed without shutting off the power
Excellent AT performance ,The Maximum inductive at the operating point of AT sheath can reach 25 KV
Light weight and small diameter reducing the load caused by ice and wind and the load on towers and backprops
Large Span lengths and the largest span is over 1000m
Accurate control on Aramid application greatly improving the strength of cables
Accurate fiber excess length and stranding pitch to ensure the good performance of tensile strength and the temperature
The design life span is over 30 years

Technical Parameters

Fiber Count	Nominal Diameter (mm)	Nominal Weight (kg/km)	Max Fibers perTube	No.of (Tubes+ fillers)	Allowable Tensile Load(N)		Allowable Crush Resistance(N/100mm)	
					Short Term	Long Term	Short Term	Long Term
2~36	12.1	125	6	6	3000	1000	3000	1000
36~72	13.9	135	12	6	3000	1000	3000	1000
74~96	16	170	12	8	3000	1000	3000	1000
98~120	16.6	210	12	10	3000	1000	3000	1000
122~144	18.2	245	12	12	3000	1000	3000	1000

FTTH GJXH GJXFH GJYXCH GJYXFCH



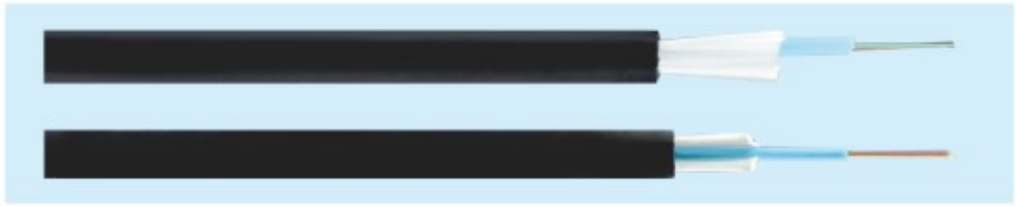
Fiber Parameters

Fiber Count		1/2/4
Fiber Type		G652D /G657A1 /G657A2
Colored Coating Fiber	Dimension	245±10μm
	Color	Blue/Orange/Green/Brown
Strength Member	Dimension	0.5mm
	Material	Steel/FRP
Self-Supporting Member	Dimension	1.0mm
	Material	Steel
Jacket	Dimension	5.0±0.2mm×2.0±0.1mm
	Material	LSZH
	Color	Black/White

Mechanical and Environmental Characteristics

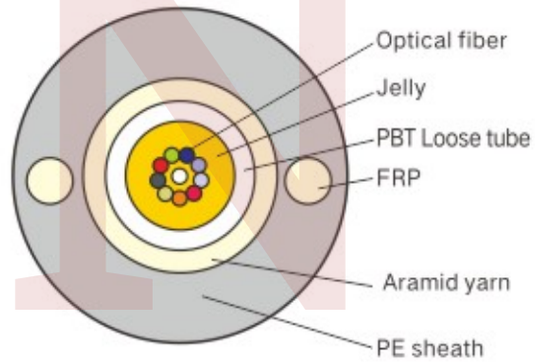
Items	Unite	Specifications
Tension（Long Term）	N	300
Tension（Short Term）	N	600
Crush（Long Term）	N/10cm	1000
Crush（Short Term）	N/10cm	2200
Min. Bend Radius（Dynamic）	mm	20D
Min. Bend Radius（Static）	mm	10D
Installation Temperature	℃	-20~+60
Operating Temperature	℃	-40~+70
Storage Temperature	℃	-40~+70

Central Loose Tube GYXFTY



Type： GYXFTY

Optic fiber in central loose tube
Steel tape & loose tube bound together with heat-melting glue
Two FRP within PE sheath
Application Range: for long distance & local communications
Installation method: in pipe, or aerial mounting
Application Temperature:-40 ~+70



Features:
with low attenuation loss and dispersion

The reasonable design and precision control on fiber length in loose tube ensures better mechanical performance and adaptability to environment of FOC.

The close structure with steel tape & loose tube boundtogether with heat-resistant glue ensures moisture & water resistant performance of FOC.

with light weight and easy for laying

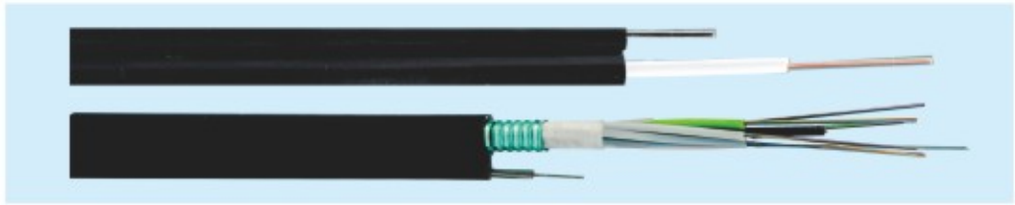
with better pliability

Steel tape armor ensures better crush-resistant performance.

Technical Parameters

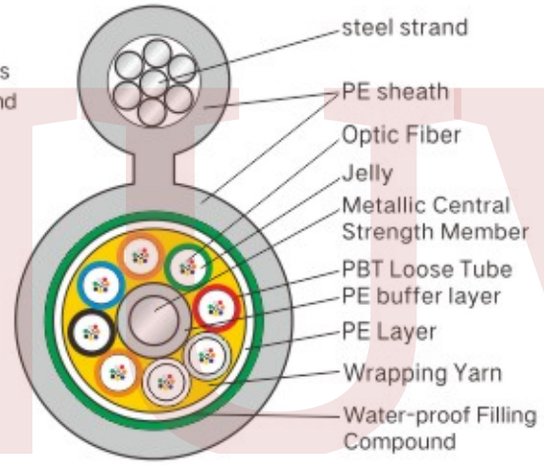
FOC Core (s)	FOC OD (mm)	FOC Weight (kg/km)	Min. Bending Radius (mm)		Min. Tension Allowed (N)		Min. Crush pressure (N/100mm)	
			Static	Dynamic Short	Short Term	Long Term	Short Term	Long Term
2~12	7.0	60	120	160	1500	600	1500	600

Stranded Loose Tube GYXTC8Y GYTC8S



Type: GYTC8S

Optic fiber in loose tube
Metallic central strength member
Filling compound for SZ stranded cable cores
Plastics- coated steel tape & PE sheath bound together
Stranded steel wire for self supporting
Application Range: for long distance & local communications
Installation method: aerial
Application Temperature:-40 ~+70



Features:
with low attenuation loss and dispersion

The reasonable design and precision control on fiber length
in loose tube ensures better mechanical performance and adaptability to environment of FOC.

The close structure of SZ layer stranding prevents optic fiber from stress under bad environment.

It could ensure moisture & water resistant performance of FOC with filling compound filled outside strength member and inside cable core.

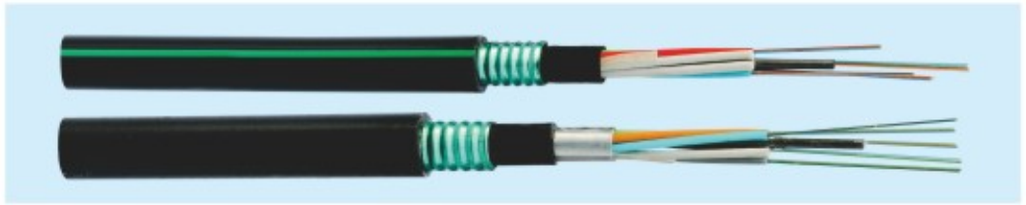
It could ensure much better moisture & shooting-resistant performance of FOC with corrugated steel tape wrapping.

It could ensure high tensile strength with stranded steel wire as self-supporting unit.

Technical Parameters

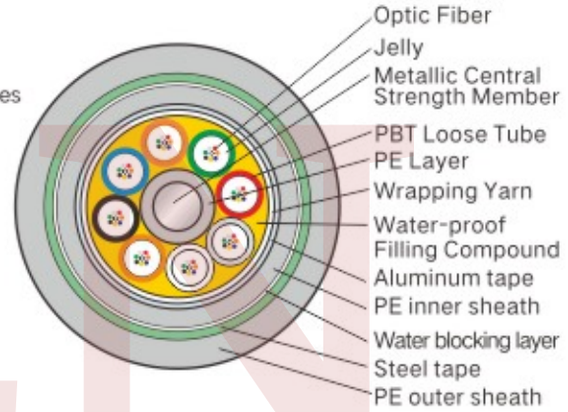
FOC Core (s)	FOC OD (mm)	FOC Weight (kg/km)	Min. Bending Radius (mm)		Min. Tension Allowed (N)		Min. Crush pressure (N/100mm)	
			Static	Dynamic Short	Short Term	Long Term	Short Term	Long Term
2~36	11.8	275	120	240	8000	6000	3000	1000
38~72	13.4	311	140	280	8000	6000	3000	1000

Stranded Loose Tube GYTY53 GYTA53



Type : GYTA53

Optic fiber in loose tube
Metallic central strength member
Filling compound for SZ stranded cable cores
Corrugated steel-plastics compound tape & PE inner sheath bound together
Corrugated steel-plastics compound tape & PE outer sheath bound together
Application Range: for long distance & local communications
Installation method: direct burial .
Application Temperature:-40 ~+70



Features:
with low attenuation loss and dispersion

The reasonable design and precision control on fiber leng-th in loose tube ensures better mechanical performance and adaptability to environment of FOC.

The close structure of SZ layer stranding prevents optic fiber from stress under bad environment.

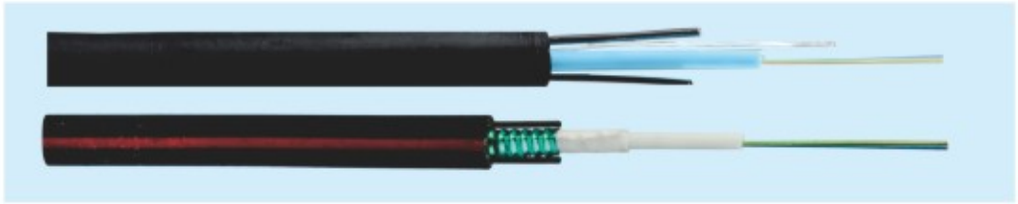
It could ensure moisture & water resistant performance of FOC with filling compound filled outside strength member and inside cable core.

with better pliability It could ensure high tensile strength, better performance of resisting side press and animal biting with double corrug-ated metallic layers wrapping & double sheaths.

Technical Parameters

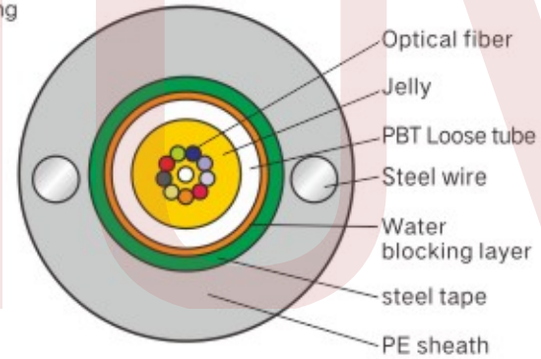
FOC Core (s)	FOC OD (mm)	FOC Weight (kg/km)	Min. Bending Radius (mm)		Min. Tension Allowed (N)		Min. Crush pressure (N/100mm)	
			Static	Dynamic Short	Short Term	Long Term	Short Term	Long Term
2~36	15.9	250	170	340	3000	1000	3000	1000
38~72	17.4	290	180	360	3000	1000	3000	1000
74~96	19.1	342	200	400	3000	1000	3000	1000
98~120	20.7	420	210	420	3000	1000	3000	1000
122~144	22.3	475	230	460	3000	1000	3000	1000

Central Loose Tube GYXTW



Type: GYXTW

Optic fiber in central loose tube
Corrugated steel tape bound PE sheath
Steel tape & loose tube bound together with heat-melting glue
Two paralleled steel wire within PE sheath
Application Range: for long distance & local communications
Installation method: in pipe, or aerial mounting
Application Temperature:-40 ~+70



Features:
with low attenuation loss and dispersion

The reasonable design and precision control on fiber length in loose tube ensures better mechanical performance and adaptability to environment of FOC.

The close structure with steel tape & loose tube boundtogether with heat-resistant glue ensures moisture & water resistant performance of FOC.

with light weight and easy for laying

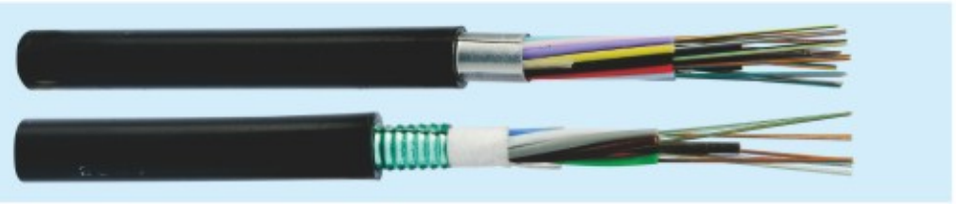
with better pliability

Steel tape armor ensures better crush-resistant performance.

Technical Parameters

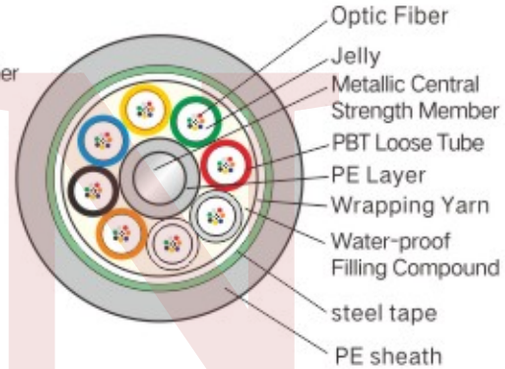
FOC Core (s)	FOC OD (mm)	FOC Weight (kg/km)	Min. Bending Radius (mm)		Min. Tension Allowed (N)		Min. Crush pressure (N/100mm)	
			Static	Dynamic Short	Short Term	Long Term	Short Term	Long Term
2~12	8.0	70	120	160	1500	600	1500	600

Stranded Loose Tube GYTA GYTS



Type: GYTS

Optic fiber in loose tube
Metallic central strength member
Filling compound for SZ stranded cable cores
Plastics- coated steel tape & PE sheath bound together
Stranded steel wire for self supporting unit
Application Range: for long distance & local communications
Installation method: in pipe, or aerial mounting
Application Temperature:-40 ~+70



Features:
with low attenuation loss and dispersion

The reasonable design and precision control on fiber leng-th in loose tube ensures better mechanical performance and adaptability to environment of FOC.

The close structure of SZ layer stranding prevents optic fiber from stress under bad environment.

It could ensure moisture & water resistant performance of FOC with filling compound filled outside strength member and inside cable core.

It could ensure much better moisture & shooting-resistant performance of FOC with corrugated steel tapewrapping.

It could ensure high tensile strength with stranded steel wire as self-supporting unit

Technical Parameters

FOC Core (s)	FOC OD (mm)	FOC Weight (kg/km)	Min. Bending Radius (mm)		Min. Tension Allowed (N)		Min. Crush pressure (N/100mm)	
			Static	Dynamic Short	Short Term	Long Term	Short Term	Long Term
2~36	11.8	158	120	240	1500	600	1000	300
38~72	13.4	194	140	280	1500	600	1000	300
74~96	14.9	235	160	320	1500	600	1000	300
98~120	16.6	310	170	340	1500	600	1000	300
122~144	18.2	359	190	380	1500	600	1000	300

nuwen

RJ45 Patch Cord Cable

Product Introduction

Name:CAT6 、CAT5、CAT7

Length:1m/3m/5m

Connector: Rj45

Conductor:Bare Copper Stranded & CCA

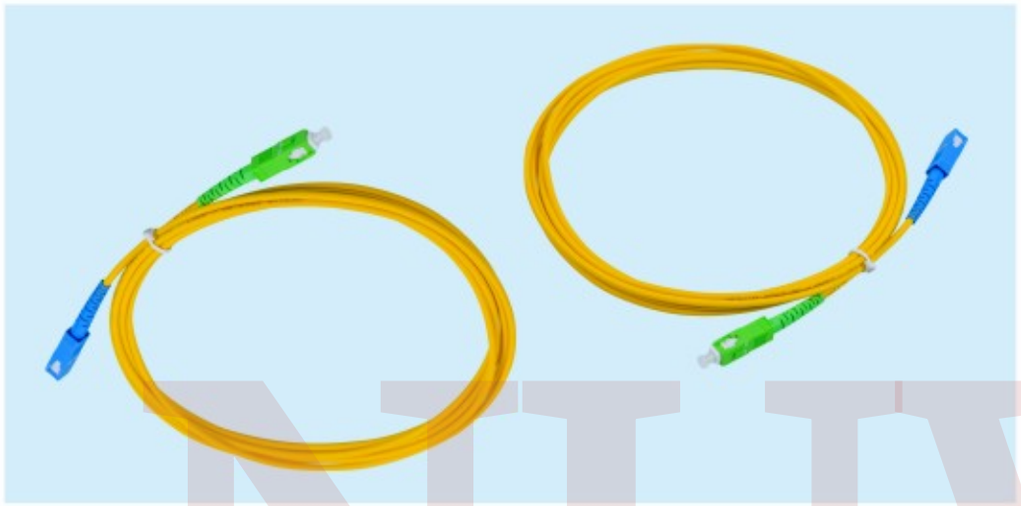
Insulation: HDPE

Features:Stylish, beautiful and durable

Application: Computers and network equipment.

Connection Mode: Direct connection

Fiber Optic Patch Cord Cable



Product Characteristics

Type	Standard,Master
Style	LC,SC,ST,FC.MU,DIN,D4,MPO,SC/APC,FC/APC,LC/APC.MU/APC
	Duplex MTRJ/Female,MTRJ/Male
Fiber Type	9/125 Single mode
	50/125,62.5/125(Multimode)OM2&OM1
	50/125,10G(Multimode)OM3
Cable Type	Simplex,Duplex Zipcord
	Φ3.0mm,Φ2.0mm,Φ1.8mm
	Φ1.6mm PVC or LSZH
	Φ0.9mm,Φ0.6mm buffered fiber PVC or LSZH
Polishing Manner	UPC,SPC,APC(8 ° &6 °)
Return Loss (For Singlemode)	UPC≧50dB
	SPC≧55dB
	APC≧60dB(typ.65dB)
	Tested by JDS Rm3750
Insertion Loss	≦0.1dB(For Singlemode Master)
	≦0.25dB(For Singlemode Standard)
	≦0.25dB(For Multimode)
	Tested by JDS Rm3750
Operating Temperature	-40℃~+85℃
Repeatability	±0.1dB

Ftth Patch Cord

Product Characteristics

1. The connectors are comply with IEC, Telcordia-GR-326-Core standards;
2. Different size & color boot option;
3. Low insertion loss; High return loss;
4. 100% interferometer measurement;
5. Typical IL≤0.20dB;
6. Max IL≤0.25dB;
7. RL SM≥50dB, A PC≥60dB, MM≥20dB.
8. Durability(500mating time): IL≤0.25dB.
9. 2.0*5.0mm/2.0*3.0mm FTTH drop cable,2pcs FRP
10. Blue colored fiber inside, LSZH jacket, assembled with SC/LC/FC/ST connectors.

Application :

1. Telecommunication networks;
2. Local area networks; CATV;
3. Active device termination;
4. Data center system networks;

Non-Dispersion Shifted Single-mode Optical Fiber (G652D)

Type
Non-Dispersion Shifted Single-mode Optical Fiber (G652D)
Standard
Complies with or exceed the technical specifications in ITU-T G652D & IEC B1.1.
Features
Low attenuation, dispersion and PMD, suitable for high bit-rate and long distance transmission.
Applications
Suitable for all optical cable constructions, including ribbon, loose tube stranded, slotted core, central tube, tight buffered designs.

Technical Specifications:

Attributes				Specification
Dimensional Specifications	Cladding Diameter			125.0±1μm
	Cladding Non-Circularity			≦1%
	Coating Diameter			245±10μm
	Coating-Cladding Concentricity			≦12μm
	Coating Non-Circularity			≦6%
	Core-Clad Concentricity			≦0.6μm
	Fiber Curl(Radius)			≧4m
	Delivery Length			2.1-50.4km/reel
Optical Specification	Mode-Field Diameter(MFD)	@1310nm	9.2±0.5μm	
		@1550nm	10.4±0.8μm	
	Attenuation	@1310nm	≦0.36dB/km	
		@1550nm	≦0.22dB/km	
		@1625nm	≦0.24dB/km	
	Attenuation VS.Wavelength	@1285-1330nm,Ref λ @1310nm	≦0.04dB/km	
		@1525-1575nm,Ref λ @1550nm	≦0.03dB/km	
	Point Discontinuity	@1310nm	≦0.05dB	
		@1550nm	≦0.05dB	

Environmental Specification	Temperature Dependence(-60℃to 85℃,@1310nm&1550nm&1625nm)	≤0.05 dB / km
	Water Immersion(23±2℃, 30 days@1310nm&1550nm&1625nm)	≤0.05 dB / km
	Dry Heat Soak(85±2℃, 30 days@1310nm&1550nm&1625nm)	≤0.05 dB / km
	Damp Heat(85±2℃, at 85%RH, 30 days @1310nm&1550nm&1625nm)	≤0.05 dB / km

Warranty
The company produces and tests optical fiber independently, all qualified fibers meet the requirements of technical specifications.
Packaging and storage
Ensure no foreign matter on the reel and fiber surface, wrap it with film and cover, and label fiber coding on the reel and cover respectively.
The packaged optical fiber is stored at a constant temperature of 25℃ in a light-proof warehouse. The products are fixed in the carton when they are shipped out of the warehouse. The carton number and fiber coding information are attached to the carton, and the electronic test report is attached to each shipment.

Bend Insensitive Single-mode Optical Fiber (G.657.A1)

Type
Bend Insensitive Single-mode Optical Fiber (G.657.A1)
Standard
The fiber complie with or exceed the technical specifications in ITU-T G.652.D /G.657.A1.
Features
Superior anti-bending property;
Fully compatible with G.652 single-mode fiber. Full band (1260~1626 nm) transmission;
Low PMD for high bit-rate and long distance transmission. Extremely low micro-bending attenuation, applicable for all optical cable types including ribbons;
High anti-fatigue parameter ensures service life under small bending radius.
Applications
All cable constructions, 1260~1626nm full band transmission, FTTH high speed optical routing, optical cable in small bend radius, small-size optical fiber cable and device, L-band.

Technical Specifications:

Attributes			specification
Dimensional Specifications	Cladding Diameter		125.0±0.7um
	Cladding Non-Circularity		≤0.7%
	Coating Diameter		245±10um
	Coating-Cladding Concentricity		≤12um
	Coating Non-Circularity		≤6 %
	Core-Clad Concentricity		≤0.5um
	Fiber Curl (radius)		≥4 m
	Delivery Length		2.05-50.4(km/reel)
Optical Specifications	Mode-Field Diameter (MFD)	1310nm	8.7~9.5 um
		1550nm	9.8~10.8 um
	Attenuation	1310nm	≤0.32dB/km
		1550nm	≤0.18dB/km
		1625nm	≤0.20dB/km
	Attenuation VS. Wavelength	1285-1330nm, Ref. λ@1310nm	≤0.03dB/km
		1525-1575nm, Ref. λ@1550nm	≤0.02dB/km
	Point Discontinuity	1310nm	≤0.05dB
		1550nm	≤0.05dB
Mechanical Specifications	Proof Test		≥9.0N, ≥1.0%, ≥100Kpsi
	Dynamic stress corrosion susceptibility parameters		≥20
	Coating Strip Force	Average	1.5 N
		Peak	1.3-8.9 N
	Macrobend Loss	1 turn, Φ10mm@1550nm&1625nm	≤0.5dB,≤1.5?dB
		10 turns, Φ15mm@1550nm&1625nm	≤0.05dB ,≤0.3dB

Warranty
The company produces and tests optical fiber independently, all qualified fibers meet the requirements of technical specifications.
Packaging and storage
Ensure no foreign matter on the reel and fiber surface, wrap it with film and cover, and label fiber coding on the reel and cover respectively.The packaged optical fiber is stored at a constant temperature of 25℃?in a light-proof warehouse.