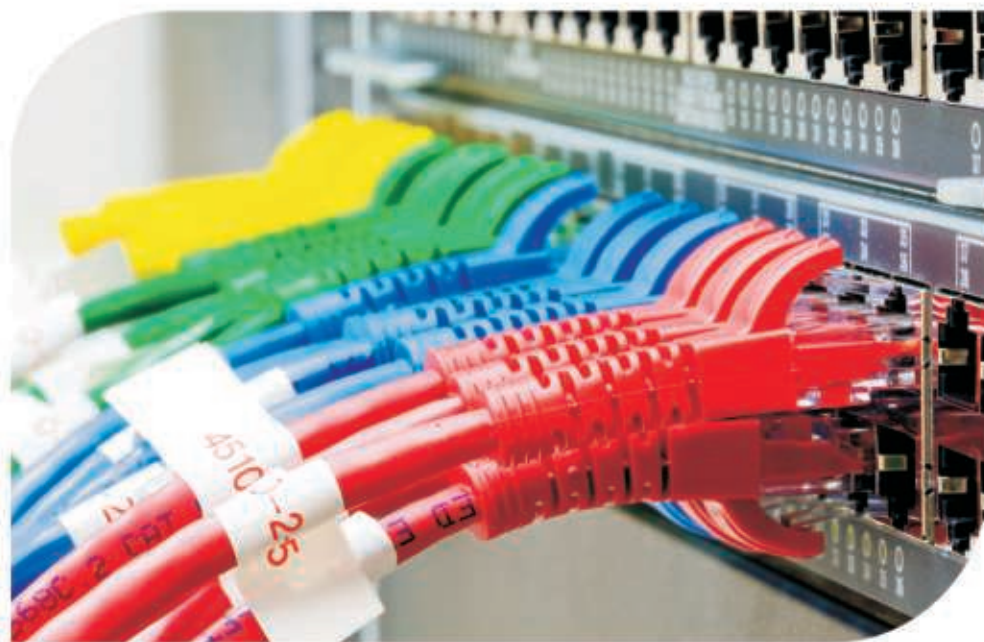




# LAN Cable 数据电缆



**安徽省天康集团数据线缆有限公司**  
Anhui Tiankang Group Digital Cable Co., Ltd.

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## 企业简介

## Brief introduction



安徽天康集团位于长江之滨素有“皖东明珠”之称的安徽省天长市，东与古城扬州接壤，南连六朝古都南京，位于上海经济协作区之内，宁连高速公路贯穿全市，水陆交通非常便利，具有良好的经济发展与人文环境。企业注册资金2亿1376万元，产品涉及数据线缆、光缆、电缆、仪表、医药、医疗用品、胶合板、桥架、新能源等诸多行业。是国家大型企业、安徽省高新技术企业，并多次获得“省级重合同守信用先进企业”、“依法纳税先进企业”、“银行资信AAA级企业”等荣誉称号。

安徽天康集团资料线缆有限公司是安徽天康集团的全资企业，公司主要生产经营五类、超五类、六类、超六类、大对数数据电缆，年生产能力60万箱。

公司引进一流的生产设备和国际先进的MEA KPA-HF300型自动电缆测试系统和CTS-650测试系统。本着“质量第一，服务第一”的宗旨，按照“优化企业管理、确保产品质量、提供优质服务”的质量方针进行严格的质量控制。生产过程中采用微电脑在线检测、激光测试控制等国际先进技术，产品各项技术指标均达到或超过国家行业标准。

公司已全面通过德国DQS-UL体系认证，ISO9001:2015质量管理体系认证，美国UL产品安全认证，美国ETL产品安全认证、产品阻燃达到CM、CMR等级，并通过RoHS环保认证，电信TLC认证，上海电缆所产品性能检测等，已获得国家信息产业部电信设备进网许可证，产品广泛应用于综合布线工程、安防监控工程、楼宇对讲工程、网络工程、通讯工程、有线电视工程等领域。

Anhui Tiankang Group Locates in Tianchang city the Pearl of eastern Anhui province, east to Yangzhou and south to ancient capital of six dynasties Nanjin, in Shanghai Economic Cooperation zone. The Ninglian highway runs through the whole city and land, water communication are very convenience. So it has good economic development and culture environment. The registered capital of company is 213,760,000 RMB. The main products include Data Cable, Fiber Optic Cable, Cable, Cable Tray, Instruments, Medicine, Medical Products, Agglutinate Plate, New energy etc. As the National Large-scale Enterprise and High New Technology Company in Anhui, it has been awarded titles like "Provincial Trustable Enterprise", "Good Tax Payer Enterprise", "Class-AAA Bank Credit Enterprise" etc.

Anhui Tiankang Group Data Cable Co., Ltd is wholly owned subsidiary of Anhui Tiankang Group The main products include CAT5, CAT5E, CAT6, CAT6A and other large pair communication cable with annually output of more than 600,000 cartons.

Our company introduces first-class production equipment and international advanced MEA KPA-HF300 type and CTS-650 type automatic cable inspection system. We hold the aim of "Top Quality and Service", follow the quality policy of "Optimize Enterprise Management, Ensure Products Quality, Offer Best Service" to execute the quality control strictly. Using micro-computer on-line inspection and laser test control and other international advanced technology during the production. Kinds of products' technical specs have got or exceed National Industry Standard.

Our company has wholly got through ISO9001:2015 Quality System Certification of DQS-UL Security Structure Certification in Germany, UL Lab Security Structure certification, ETL Security Structure certification in USA; RoHS Environment Certification, TLC Certification of Telecommunications. All the products have got through products performance test of Shanghai Cable Institute and got CM, CMR standard. They have got telecommunication equipment network access license of National Ministry of Information Industry. They have been used in comprehensive wiring project, security system project, building talkback system, network project, telecommunication project and CATV project etc.



## 企业主要荣誉和业绩

Enterprise's honor and business





## 公司厂区照片

Company factory photos





## 公司主要生产检测设备

Main Manufacturing and inspecting equipments







# 宗旨

*Aim of Enterprise*

服务一流 质量第一

*Top-grade service and quality*

# 文化

*Culture of Enterprise*

开拓、创新、拼搏、进取

*Unending exploit, develop, innovate and progress*

# 理念

*Spirit of Enterprise*

科技以人为本

*Science and technology is based of people*

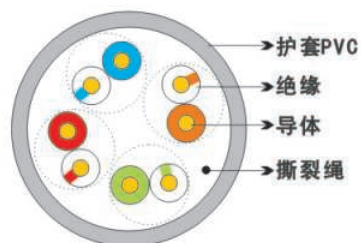






## UTP超五类4对非屏蔽数据电缆 UTP Cat 5e Four Pairs Unshield Data Cable

结构示意图 Construction Diagram



超五类4对非屏蔽数据电缆是为支持高速网络传输而设计的，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject 444标准。Cat 5e Four-Pairs Unshield Data Cable is designed compliance with high-speed net transportation accordance with the China standard No. YD/T (1019-2001), American standard No. ANSI/TIA/EIA-568B.2, standard No. ISO/IEC 11801 and UL Subject 444 of America.

From upper to low:PVC sheath,Insulation,Conductor,Rip Cord

### 产品描述

导体：实芯铜导体，直径0.5mm  
绝缘：实芯聚烯烃  
线对：四对，色谱为：蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯：四芯绞合  
护套：阻燃PVC或低烟无卤，外径 5.2±0.3mm

### Product Description

Conductor: solid copper, diameter in 0.5 mm  
Insulation: solid polyolefin  
pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable core: four-stranded  
Sheath: flame-retardant PVC or LOSH material with diameter in 5.2±0.3 mm

### 产品应用

10/100BASE—T以太网 (IEEE802.3)  
155Mbps ATM网络  
100VgAnyLAN(IEEE802.12)  
TP—PMD(ANSI X3T9.5)  
100Vg—AnyLAN(IEEE802.3)  
ISDN综合业务数据网络

### Application

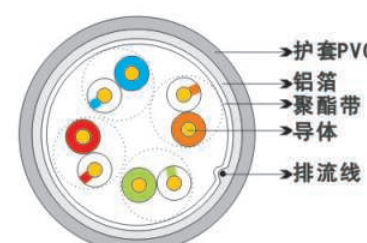
10/100BASE—T Ethernet (IEEE802.3)  
155Mbps ATM network  
100VgAnyLAN (IEEE802.12)  
TP—PMD(ANSI X3T9.5)  
100Vg—AnyLAN(IEEE802.3)  
ISDN Integrated Services Digital Network

### 产品性能 Product Performance

频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (dB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	1.8	67.0	66.2
1.0		20.0	2.0	65.3	64.0
4.0		23.0	4.1	56.3	52.0
8.0		24.5	5.8	51.8	45.9
10.0		25.0	6.5	50.3	44.0
16.0		25.0	8.2	47.2	39.9
20.0		25.0	9.3	45.8	38.0
25.0		24.3	10.4	44.3	36.0
31.25		23.6	11.7	42.9	34.1
62.5		21.5	17.0	38.4	28.1
100.0		20.1	22.0	35.3	24.0

## FTP超五类4对屏蔽数据电缆 FTP Cat 5e Four Pairs Shield Data Cable

结构示意图 Construction Diagram



超五类4对屏蔽数据电缆，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject 444标准。Cat 5e Four Pairs Shield Data Cable is designed compliance with China industry standard No. YD/T (1019-2001), American standard No. ANSI/TIA/EIA-568B.2, standard number ISO/IEC 11801 and UL Subject 444 of America.

From upper to low:PVC sheath,Aluminum Foil, polyester Tape,Conductor,Drain Wire

### 产品描述

导体：实芯铜导体，直径0.524mm  
绝缘：实芯聚烯烃  
线对：四对，色谱为：蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯：四芯绞合  
屏蔽结构：铝箔，聚酯带，排流线  
护套：阻燃PVC或低烟无卤，外径 6.0±0.3mm

### Product Description

Conductor: solid copper, diameter in 0.524 mm  
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable Core: four-stranded  
Shield: aluminum foil, polyester tape and drain wire  
Sheath: flame-retardant PVC or LSOH material with diameter in 6.0±0.3 mm

### 产品性能 Product Performance

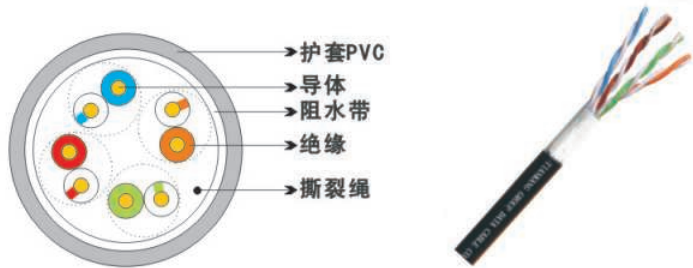
频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (dB/100m) Equivalent far-end Crosstalk
0.772	100±15	19.4	1.8	67.0	66.2
1.0		20.0	2.0	65.3	64.0
4.0		23.0	4.1	56.3	52.0
8.0		24.5	5.8	51.8	45.9
10.0		25.0	6.5	50.3	44.0
16.0		25.0	8.2	47.2	39.9
20.0		25.0	9.3	45.8	38.0
25.0		24.3	10.4	44.3	36.0
31.25		23.6	11.7	42.9	34.1
62.5		21.5	17.0	38.4	28.1
100.0		20.1	22.0	35.3	24.0





## 超五类4对阻水数据电缆 Cat 5e Four Pairs Water-proof Data Cable

结构示意图 Construction Diagram



超五类4对阻水数据电缆，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject 444标准。  
Cat 5e Four Pairs Water-proof Data Cable is accordance with the China standard No. YD/T (1019-2001)，American standard No. ANSI/TIA/EIA-568B.2，ISO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC sheath, Conductor, Water-proof Tape, Insulation, Tear Rope

### 产品描述

导体：实芯铜导体，直径0.510mm  
绝缘：实芯聚烯烃  
线对：四对，色谱为：蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯：四芯绞合  
阻水材料：阻水带，撕裂绳  
护套：阻燃PVC或低烟无卤，外径5.5±0.3mm

### Product Description

Conductor: solid copper, diameter in 0.511 mm  
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable core: four-stranded  
Water-proof material: water-proof tape, polyester tape, tear rope  
Sheath: flame-retardant PVC or LSOH material with diameter in 5.5±0.3 mm

### 产品应用

100BASE-T以太网 (IEEE802.3)  
100VG-AnyLAN  
155Mbps ATM网络  
TP-PMD(ANSI X3T9.5)  
100Vg-AnyLAN(IEEE802.3)  
ISDN综合业务数据网络

### Application

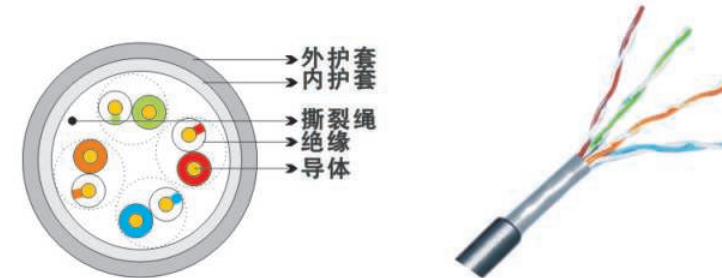
100BASE-T Ethernet (IEEE802.3)  
1000 Base-TX  
Token Ring  
TP-PMD(ANSI X3T9.5)  
100Vg-AnyLAN(IEEE802.3)  
ISDN Integrated Services Digital Network

### 产品性能 Product Performance

频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (dB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	1.8	67.0	66.2
1.0		20.0	2.0	65.3	64.0
4.0		23.0	4.1	56.3	52.0
8.0		24.5	5.8	51.8	45.9
10.0		25.0	6.5	50.3	44.0
16.0		25.0	8.2	47.2	39.9
20.0		25.0	9.3	45.8	38.0
25.0		24.3	10.4	44.3	36.0
31.25		23.6	11.7	42.9	34.1
62.5		21.5	17.0	38.4	28.1
100.0		20.1	22.0	35.3	24.0

## 超五类4对双护套阻水数据电缆 Cat 5e Four Pairs Double Sheath Water-proof Data Cable

结构示意图 Construction Diagram



超五类4对阻水数据电缆，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject 444标准。  
Cat 5e Four Pairs Double Sheath Water-proof Data Cable is accordance with the China standard number YD/T (1019-2001)，American standard No. ANSI/TIA/EIA-568B.2，ISO/IEC11801 and UL Subject 444 of America.

From upper to low: PE Overall Sheath, PVC inner Sheath, Rip Cord, Insulation, Conductor

### 产品描述

导体：实芯铜导体，直径0.505mm  
绝缘：实芯聚烯烃  
线对：四对，色谱为：蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯：四芯绞合  
阻水材料：双层护套  
护套：阻燃PVC或低烟无卤，外径6.2±0.3mm

### Product Description

Conductor: solid copper, diameter in 0.505 mm  
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable core: four-stranded  
Water-proof material: double sheath  
Sheath: flame-retardant PVC or LSOH material with diameter in 6.2±0.3 mm

### 产品应用

100BASE-T以太网 (IEEE802.3)  
100VG-AnyLAN  
155Mbps ATM网络  
TP-PMD(ANSI X3T9.5)  
100Vg-AnyLAN(IEEE802.3)  
ISDN综合业务数据网络

### Application

100BASE-T Ethernet (IEEE802.3)  
1000 Base-TX  
Token Ring  
TP-PMD(ANSI X3T9.5)  
100Vg-AnyLAN(IEEE802.3)  
ISDN Integrated Services Digital Network

### 产品性能 Product performance

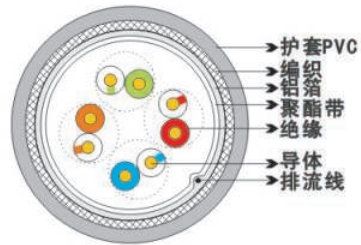
频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (dB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	1.8	67.0	66.2
1.0		20.0	2.0	65.3	64.0
4.0		23.0	4.1	56.3	52.0
8.0		24.5	5.8	51.8	45.9
10.0		25.0	6.5	50.3	44.0
16.0		25.0	8.2	47.2	39.9
20.0		25.0	9.3	45.8	38.0
25.0		24.3	10.4	44.3	36.0
31.25		23.6	11.7	42.9	34.1
62.5		21.5	17.0	38.4	28.1
100.0		20.1	22.0	35.3	24.0





## SFTP超五类4对数据电缆 SFTP Cat 5e Four Pairs Data Cable

### 结构示意图 Construction Diagram



SFTP超五类4对数据电缆，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject 444标准。  
SFTP Cat 5e Four Pairs Data Cable is accordance with the China standard No.YD/T(1019-2001), American standard No. ANSI/TIA/EIA-568B.2, ISO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC sheath, Braid, Aluminum Foil, Polyester Tape, Insulation, Conductor, Drain Wire

### 产品描述

导体：实芯退火软铜导体，直径0.52mm  
绝缘：实芯聚烯烃  
线对：四对，色谱为：蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯：四芯绞合  
屏蔽材料：铝带/铝塑复合带 编织:镀锡软铜  
屏蔽覆盖：100/40  
护套：阻燃PVC或低烟无卤，外径7.2±0.3mm

### Product Description

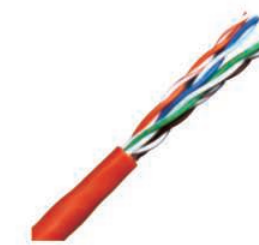
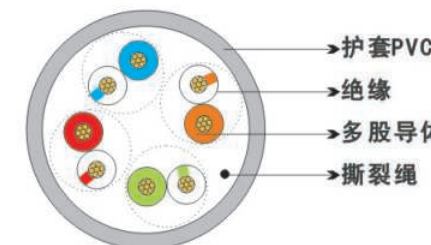
Conductor: solid annealed flexible copper with diameter in 0.52mm  
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable core: four-stranded  
Shield: aluminum tape:compound aluminum-plastics tape, braid: tinned copper braid  
Shield density: 100/40  
Sheath: flame-retardant PVC or low smoke no halogen Isoh material with diameter in 7.2±0.3mm

### 产品性能 Product Performance

频率 (MHz) Frequency	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB) Near-end crosstalk	等电平远端串音衰减 (dB/100m) Equivalent balance far-end crosstalk attenuation
1	20.0	2.0	65.3	63.8
8	24.5	5.8	51.8	45.7
20	25.0	9.3	45.8	37.8
62.5	21.5	17.0	38.4	27.9
100	20.1	22.0	35.3	23.8

## 超五类4对多股绞合线非屏蔽数据电缆 Cat 5e Four Pairs Multi-strand Unshield Data Cable

### 结构示意图 Construction Diagram



超五类4对多股绞合线非屏蔽数据电缆，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject444标准。  
Cat 5e Four Pairs Multi-strand Unshield Data Cable is accordance with the China standard No. YD/T (1019-2001), American standard No. ANSI/TIA/EIA-568B.2, ISO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC Sheath, Insulation, Multi-strand Conductor, Rip Cord

### 产品描述

导体：多股镀锡软铜导体，直径7×0.2mm  
绝缘：实芯聚烯烃  
线对：四对，色谱为：蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯：四芯绞合  
护套：阻燃PVC或低烟无卤，外径5.5±0.3mm

### Product Description

Conductor: multi-stranded tinned flexible copper with diameter in 7×0.2mm  
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable core: four-stranded  
Sheath: Flame-retardant PVC or LSOH material with diameter in 5.5±0.3mm

### 产品性能 Product Performance

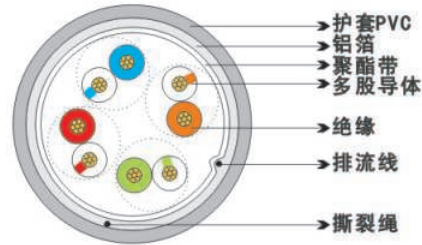
频率 (MHz) Frequency	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB) Near-end crosstalk	等电平远端串音衰减 (dB/100m) Equivalent balance far-end crosstalk attenuation
1	20.0	2.0	65.3	63.8
8	24.5	5.8	51.8	45.7
20	25.0	9.3	45.8	37.8
62.5	21.5	17.0	38.4	27.9
100	20.1	22.0	35.3	23.8





## 超五类4对多股绞合线屏蔽数据电缆 Cat 5e Four Pairs Multi-strand Shield Data Cable

结构示意图 Construction Diagram



超五类4对多股绞合线屏蔽数据电缆，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject 444标准。  
Cat 5e Four Pairs Multi-strand Shield Data Cable suits to the China standard No. YD/T (1019-2001), American standard No. ANSI/TIA/EIA-568B.2, ISO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC Sheath, Aluminum Foil, Polyester Tape, Multi-strand Conductor, Insulation, Drain Wire, Rip Cord

### 产品描述

导体: 多股镀锡软铜导体, 直径 $7 \times 0.16\text{mm}$   
绝缘: 实芯聚烯烃  
线对: 四对, 色谱为: 蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯: 四芯绞合  
屏蔽结构: 铝箔, 聚脂带, 排流线  
护套: 阻燃PVC或低烟无卤, 外径 $5.6 \pm 0.3\text{mm}$

### Product Description

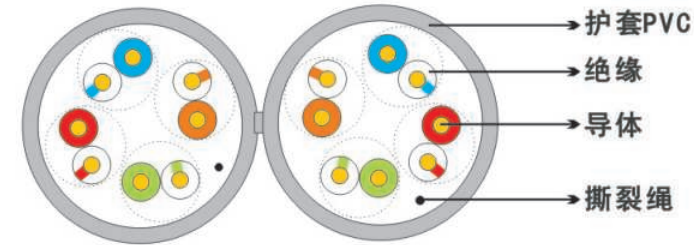
Conductor: multi-stranded tinned flexible copper with diameter in  $7 \times 0.16\text{mm}$   
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable Core: four-stranded  
Shield: aluminum foil, polyester tape and drain wire  
Sheath: flame-retardant PVC or LSOH material with diameter in  $5.6 \pm 0.3\text{mm}$

### 产品性能 Product Performance

频率 (MHz) Frequency	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB) Near-end crosstalk	等电平远端串音衰减 (dB/100m) Equivalent balance far-end crosstalk attenuation
1	20.0	2.0	65.3	63.8
8	24.5	5.8	51.8	45.7
20	25.0	9.3	45.8	37.8
62.5	21.5	17.0	38.4	27.9
100	20.1	22.0	35.3	23.8

## 超五类非屏蔽平行数据电缆 Cat 5e Unshield Parallel Data Cable

结构示意图 Construction Diagram



From upper to low: PVC sheath, Insulation, Conductor, Rip Cord

### 产品描述

导体: 实芯铜导体, 直径0.5mm  
绝缘: 实芯聚烯烃  
线对: 四对, 色谱为: 蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯: 四芯绞合  
护套: 阻燃PVC或低烟无卤, 外径 $5.2 \times 2\text{mm}$

### Product Description

Conductor: solid copper, diameter in 0.5 mm  
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable core: four-stranded  
Sheath: flame-retardant PVC or LSOH material with diameter in  $5.2 \times 2\text{mm}$

### 产品应用

10/100BASE-T以太网 (IEEE802.3)  
ISDN综合业务数据网络

### Application

10/100BASE-T Ethernet (IEEE802.3)  
ISDN Integrated Services Digital Network

### 产品性能 Product Performance

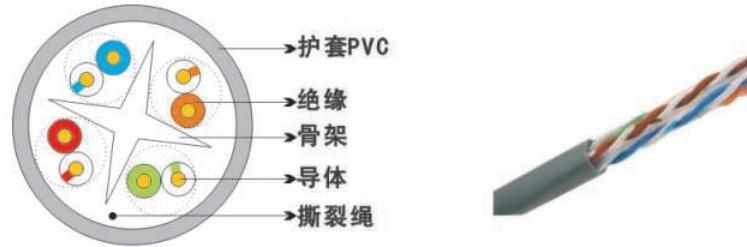
频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (dB/100m) Equivalent far-end crosstalk
1.0	100±15	20.0	2.0	65.3	64.0
4.0		23.0	4.1	56.3	52.0
8.0		24.5	5.8	51.8	45.9
10.0		25.0	6.5	50.3	44.0
16.0		25.0	8.2	47.2	39.9
20.0		25.0	9.3	45.8	38.0
25.0		24.3	10.4	44.3	36.0
31.25		23.6	11.7	42.9	34.1
62.5		21.5	17.0	38.4	28.1
100.0		20.1	22.0	35.3	24.0





## UTP六类4对非屏蔽数据电缆 UTP Cat 6 Four Pairs Unshield Data Cable

结构示意图 Construction Diagram



UTP六类4对非屏蔽数据电缆符合中华人民共和国行业标准YD/T (1019-2001), 符合美国ANSI/TIA/EIA-568B.2标准, ISO/IEC11801标准, UL Subject 444标准。  
UTP Cat 6 Four Pairs Unshield Data Cable suits to the China standard No. YD/T (1019-2001), American standard No. ANSI/TIA/EIA-568B.2, ISO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC Sheath, Insulation, Cross, Conductor, Rip Cord

### 产品描述

结构: 单股裸铜线, 实芯聚烯烃绝缘, 两根绝缘导体对绞, 聚氯乙烯、阻燃PVC或低烟无卤  
导体: 实芯铜导体, 直径0.570mm  
绝缘: 实芯聚烯烃  
线对: 四对, 色谱为: 蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯: 四芯绞合  
护套: 阻燃PVC或低烟无卤, 外径6.2±0.3mm

### Product Description

Construction: single bare copper, solid polyolefin insulation, two insulated conductors twisted, PVC, flame-retardant PVC or low smoke no halogen material  
Conductor: solid copper, diameter in 0.570mm  
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable Core: four-stranded  
Sheath: flame-retardant PVC or LSOH material with diameter in 6.2±0.3 mm

### 应用范围

可实用于语音、综合业务数据网络(ISDN),100MbpsTPDDI、ATM155Mbps和622Mbps用于水平子系统连接, 符合其他六类电缆设计应用。

### Application

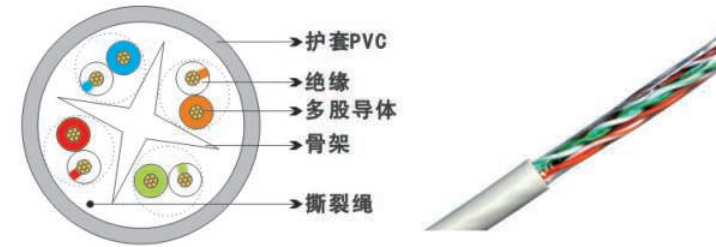
The cable shall be used as communication line of speech, integrated services digital network(ISDN),100MbpsTPDDI、ATM155 Mbps and 622Mbps horizontal subsystem. The cable is designed compliance with other Cat 6 data cables.

### 产品性能 Product Performance

频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (DB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	1.6	76.0	70.2
1.0		20.0	1.8	74.3	68.0
4.0		23.0	3.7	65.3	56.0
8.0		24.5	5.3	60.8	49.9
10.0		25.0	5.9	59.3	48.0
16.0		25.0	7.5	56.2	43.9
20.0		25.0	8.4	54.8	42.0
25.0		24.3	9.5	53.3	40.0
31.25		23.6	10.6	51.9	38.1
62.5		21.5	15.4	47.4	32.1
100.0		20.1	19.8	44.3	28.0
200.0		18.0	29	39.8	22.0
250.0		17.3	32.8	38.3	20.0

## UTP六类4对多股绞合线非屏蔽数据电缆 UTP Cat 6 Four Pairs Multi-strand Unshield Data Cable

结构示意图 Construction Diagram



UTP六类4对多股绞合线非屏蔽数据电缆符合中华人民共和国行业标准YD/T(1019-2001), 符合美国ANSI/TIA/EIA-568B.2标准, ISO/IEC11801标准, UL Subject 444标准。  
UTP Cat 6 Four Pairs Multi-strand Unshield Data Cable is accordance with the China standard No. YD/T(1019-2001), American standard No. ANSI/TIA/EIA-568B.2, ISO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC Sheath, Insulation, Multi-strand Conductor, Cross, Rip Cord

### 产品描述

结构: 多股镀锡软铜线, 实芯聚烯烃绝缘, 两根绝缘导体对绞, 聚氯乙烯、阻燃PVC或低烟无卤  
导体: 多股镀锡软铜导体, 直径7×0.2mm  
绝缘: 实芯聚烯烃  
线对: 四对, 色谱为: 蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯: 四芯绞合  
护套: 阻燃PVC或低烟无卤, 外径6.0±0.3mm

### Product Description

Construction: multi-stranded tinned flexible copper, solid polyolefin in sulation, pair insulated conductors twisted,PVC, flame-retardant PVC or low smoke no halogen material  
Conductor: multi-stranded tinned flexible copper, diameter in 7×0.2mm  
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/orange-white, green/green-white, brown/ brown-white  
Cable core: four-stranded  
Sheath: flame-retardant PVC or LSOH material with diameter in 6.0±0.3 mm

### 应用范围

可实用于语音、综合业务数据网络(ISDN),100MbpsTPDDI、ATM155Mbps和622Mbps用于水平子系统连接, 符合其他六类电缆设计应用。

### Application

The cable shall be used as communication line of speech, integrated services digital network(ISDN), 100MbpsTPDDI、ATM 155Mbps and 622Mbps horizontal subsystem. The cable is designed compliance with other Cat 6 data cables.

### 产品性能 Product Performance

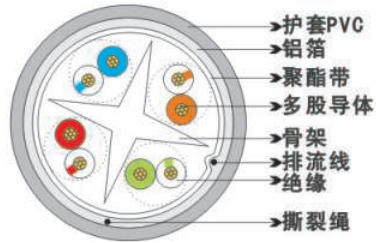
频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (DB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	2.2	76.0	70.2
1.0		20.0	2.4	74.3	68.0
4.0		23.0	4.6	65.3	56.0
8.0		24.5	6.4	60.8	49.9
10.0		25.0	7.2	59.3	48.0
16.0		25.0	9.1	56.2	43.9
20.0		25.0	10.2	54.8	42.0
25.0		24.3	11.5	53.3	40.0
31.25		23.6	12.9	51.9	38.1
62.5		21.5	18.6	47.4	32.1
100.0		20.1	23.9	44.3	28.0
200.0		18.0	35	39.8	22.0
250.0		17.3	39.4	38.3	20.0





## FTP六类4对多股绞合线屏蔽数据电缆 FTP Cat 6 Four Pairs Multi-strand Shield Data Cable

结构示意图 Construction diagram



FTP六类4对多股绞合线屏蔽数据电缆符合中华人民共和国行业标准YD/T(1019-2001),符合美国ANSI/TIA/EIA-568B.2标准,ISO/IEC11801标准,UL Subject 444标准。  
FTP Cat 6 Four Pairs Multi-strand Shield Data Cable is accordance with the China standard No. YD/T(1019-2001), American standard No. ANSI/TIA/EIA-568B.2, ISO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC Sheath, Aluminum Foil, Polyester Tape, Multi-strand Conductor, Cross, Drain Wire, Insulation, Rip Cord

### 产品描述

结构: 多股镀锡软铜线, 实芯聚烯烃绝缘, 两根绝缘导体对绞, 聚氯乙烯、阻燃PVC或低烟无卤  
导体: 多股镀锡软铜导体, 直径 $7 \times 0.16\text{mm}$   
绝缘: 实芯聚烯烃  
线对: 四对, 色谱为: 蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯: 四芯绞合  
屏蔽结构: 铝箔, 聚酯带, 排流线  
护套: 阻燃PVC或低烟无卤, 外径 $6.2 \pm 0.3\text{mm}$

### Product Description

Construction: multi-stranded tinned flexible copper, solid polyolefin insulation, two insulated conductors twisted, PVC, flame-retardant PVC or low smoke no halogen material  
Conductor: multi-stranded tinned flexible copper, diameter in  $7 \times 0.16\text{mm}$   
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable core: four-stranded  
Shield: aluminum foil, polyester tape and drain wire  
Sheath: flame-retardant PVC or LSOH material with diameter in  $6.2 \pm 0.3 \text{ mm}$

### 应用范围

可适用于语音、综合业务数据网络(ISDN),100MbpsTPDDI、ATM155Mbps和622Mbps用于水平子系统连接,符合其他六类电缆设计应用。

### Application

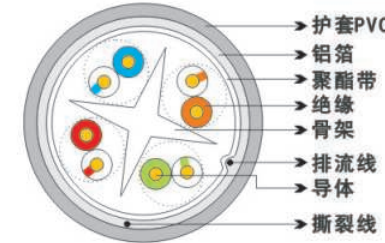
The cable shall be used as communication line of speech, integrated services digital network(ISDN), 100Mbps TPDDI、ATM 155Mbps and 622Mbps horizontal subsystem. The cable is designed compliance with other Cat 6 data cables.

### 产品性能 Product Performance

频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (DB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	2.8	76.0	70.2
1.0		20.0	3.0	74.3	68.0
4.0		23.0	5.7	65.3	56.0
8.0		24.5	8.0	60.8	49.9
10.0		25.0	9.0	59.3	48.0
16.0		25.0	11.4	56.2	43.9
20.0		25.0	12.8	54.8	42.0
25.0		24.3	14.3	53.3	40.0
31.25		23.6	16.1	51.9	38.1
62.5		21.5	23.2	47.4	32.1
100.0		20.1	29.9	44.3	28.0
200.0		18.0	43.7	39.8	22.0
250.0		17.3	55.3	38.3	20.0

## FTP六类4对屏蔽数据线缆 FTP Cat 6 Four Pairs Shield Data Cable

结构示意图 Construction diagram



FTP六类4对屏蔽数据线缆符合中华人民共和国行业标准YD/T (1019-2001),符合美国ANSI/TIA/EIA-568B.2标准,ISO/IEC11801标准,UL Subject 444标准。  
FTP Cat 6 Four Pairs Shield Data Cable is accordance with the China standard No. YD/T (1019-2001), American standard No. ANSI/TIA/EIA-568B.2, ISO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC Sheath, Aluminum Foil, Polyester Tape, Insulation, Cross, Drain Wire, Conductor, Rip Cord

### 产品描述

导体: 实芯铜导体, 直径0.580mm  
绝缘: 实芯聚烯烃  
线对: 四对, 色谱为: 蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯: 四芯绞合  
屏蔽结构: 铝箔, 聚酯带, 排流线  
护套: 阻燃PVC或低烟无卤, 外径 $7.5 \pm 0.3\text{mm}$

### Product Description

Conductor: solid copper, diameter in 0.580 mm  
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable core: four-stranded  
Shield: aluminum foil, polyester tape and drain wire  
Sheath: flame-retardant PVC or LSOH material with diameter in  $7.5 \pm 0.3\text{mm}$

### 应用范围

可适用于语音、综合业务数据网络(ISDN),100MbpsTPDDI、ATM155Mbps和622Mbps用于水平子系统连接,符合千兆以太网应用及其他六类电缆设计应用。  
优点: 具有高强度抗电磁干扰能力,传输延迟低,传输信号强的特点。

### Application

The cable shall be used as communication line of speech, integrated services digital network(ISDN), 100MbpsTPDDI、ATM 155Mbps and 622Mbps horizontal subsystem. The cable is designed compliance with kilo megahertz and Ethernet and other Cat 6 data cables. The cable has merit of high strength anti-electromagnetic interference, slow transportation depletion and strengthen signal transportation.

### 产品性能 Product Performance

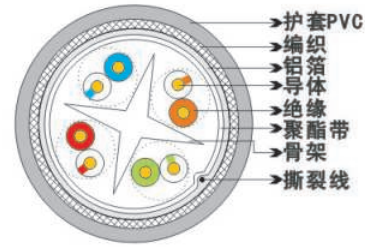
频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (DB/100m) Equivalent Far-end crosstalk
0.772	100±15	19.4	1.6	76.0	70.2
1.0		20.0	1.8	74.3	68.0
4.0		23.0	3.7	65.3	56.0
8.0		24.5	5.3	60.8	49.9
10.0		25.0	5.9	59.3	48.0
16.0		25.0	7.5	56.2	43.9
20.0		25.0	8.4	54.8	42.0
25.0		24.3	9.5	53.3	40.0
31.25		23.6	10.6	51.9	38.1
62.5		21.5	15.4	47.4	32.1
100.0		20.1	19.8	44.3	28.0
200.0		18.0	29	39.8	22.0
250.0		17.3	32.8	38.3	20.0





## SFTP六类4对数据电缆 SFTP Cat 6 Four Pairs Data Cable

结构示意图 Construction Diagram



SFTP六类4对数据电缆，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject 444标准。  
SFTP Cat 6 Four Pairs Data Cable is accordance with China special standard No. YD/T (1019-2001)，American standard No. ANSI/TIA/EIA-568B.2，ISO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC Sheath, Braid, Aluminum Foil, Conductor, Insulation, Polyester Tape, Cross, Rip Cord

### 产品描述

导体：实芯退火软铜导体，直径0.57mm  
绝缘：实芯聚烯烃  
线对：四对，色谱为：蓝/蓝白、橙/橙白、绿/绿白、棕/棕白  
缆芯：四芯绞合  
屏蔽材料：铝带/铝塑复合带 编织：镀锡软铜  
屏蔽覆盖：100/40  
护套：阻燃PVC或低烟无卤，外径 8.2±0.5mm

### Product Description

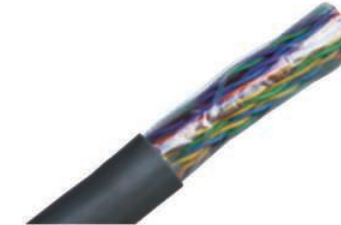
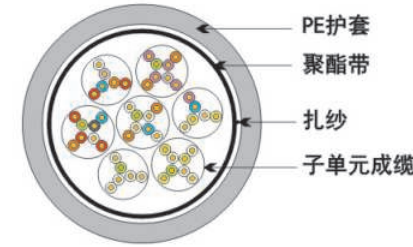
Conductor: solid annealed flexible copper with diameter in 0.57mm  
Insulation: solid polyolefin  
Pairs: four pairs, color: blue/blue-white, orange/ orange-white, green/green-white, brown/ brown-white  
Cable Core: four-stranded  
Shield: aluminum tape, compound aluminum-plastics tape,  
Braid: tinned copper braid  
Shield Density:100/40  
Sheath: flame-retardant PVC or LSOH material with diameter in 8.2±0.5mm

### 产品性能 Product Performance

频率 (MHz) Frequency	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (DB/100m) Equivalent far-end crosstalk
1	20.0	2.0	74.3	67.8
8	24.5	5.3	60.8	49.7
20	25.0	8.5	54.8	41.8
62.5	21.5	15.4	47.4	31.9
100	20.1	19.8	44.3	27.8
200	18.0	29.0	39.8	21.8
250	17.3	32.8	38.3	19.8

## UTP室外五类25对非屏蔽数据电缆 UTP Cat 5 Twenty-five Pairs Unshield Outdoor Data Cable

结构示意图 Construction Diagram



UTP五类25对非屏蔽数据电缆，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject 444标准。  
UTP Cat 5 Twenty-five Pairs Unshield Data Cable is accordance with China special standard No. YD/T (1019-2001)，American standard No. ANSI/TIA/EIA-568B.2, ISO/IEC11801 and UL Subject 444 of America.

From upper to low: Sheath, Mylar, Wrapping Yarn, Subunit

### 产品描述

导体：实芯退火软铜导体，直径0.50mm  
绝缘：实芯聚烯烃  
线对：25对 色谱为：全色谱  
护套：阻燃PVC或低烟无卤，外径 12.5±0.5mm

### Product Description

Conductor: solid annealed flexible copper with diameter in 0.50mm  
Insulation: solid polyolefin  
Pairs: Twenty-five  
Sheath: flame-retardant PVC or LSOH material with diameter in 12.5±0.5mm

### 产品应用

100BASE-T以太网 (IEEE802.3)  
TP-PMD (ANSI X3T9.5)  
100VG-AnyLAN

### Application

1000 Base-TX  
Token Ring  
100BASE-T Ethernet (IEEE802.3)  
TP-PMD (ANSI X3T9.5)

### 产品性能 Product Performance

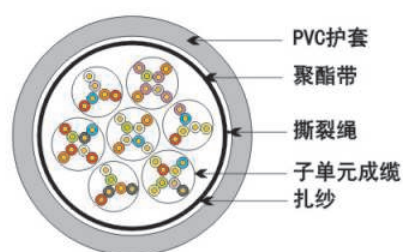
频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (DB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	1.8	67.0	66.2
1.0		20.0	2.0	65.3	64.0
4.0		23.0	4.1	56.3	52.0
8.0		24.5	5.8	51.8	45.9
10.0		25.0	6.5	50.3	44.0
16.0		25.0	8.2	47.2	39.9
20.0		25.0	9.3	45.8	38.0
25.0		24.3	10.4	44.3	36.0
31.25		23.6	11.7	42.9	34.1
62.5		21.5	17.0	38.4	28.1
100.0		20.1	22.0	35.3	24.0





## UTP室内五类25对非屏蔽数据电缆 UTP Cat 5 Twenty-five Pairs Unshield indoor Data Cable

结构示意图 Construction Diagram



UTP五类25对非屏蔽数据电缆，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject 444标准。  
UTP Cat 5 Twenty-five Pairs Unshield Data Cable is accordance with China special standard No.YD/T (1019-2001), American standard No. ANSI/TIA/EIA-568B.2,SO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC Sheath, Mylar, Rip Cord, Subunit, Wrapping Yarn

### 产品描述

导体：实芯退火软铜导体，直径0.50mm  
绝缘：实芯聚烯烃  
线对：25对 色谱为：全色谱  
护套：阻燃PVC或低烟无卤，外径 12.5±0.5mm

### Product Description

Conductor: solid annealed flexible copper with diameter in 0.50mm  
Insulation: solid polyolefin  
Pairs: Twenty-five  
Sheath: flame-retardant PVC or LSOH material with diameter in 12.5±0.5mm

### 产品应用

100BASE-T以太网 (IEEE802.3)  
TP-PMD(ANSI X3T9.5)  
100VG-AnyLAN

### Application

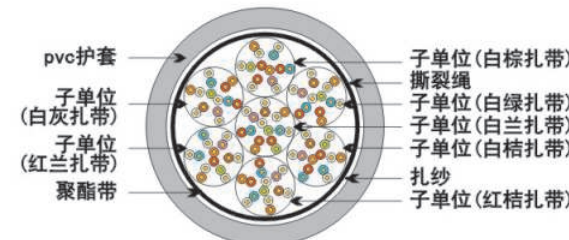
1000 Base-TX  
Token Ring  
100BASE-T Ethernet (IEEE802.3)  
TP-PMD(ANSI X3T9.5)

### 产品性能 Product performance

频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (DB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	1.8	67.0	66.2
1.0		20.0	2.0	65.3	64.0
4.0		23.0	4.1	56.3	52.0
8.0		24.5	5.8	51.8	45.9
10.0		25.0	6.5	50.3	44.0
16.0		25.0	8.2	47.2	39.9
20.0		25.0	9.3	45.8	38.0
25.0		24.3	10.4	44.3	36.0
31.25		23.6	11.7	42.9	34.1
62.5		21.5	17.0	38.4	28.1
100.0		20.1	22.0	35.3	24.0

## UTP室内五类50对非屏蔽数据电缆 UTP Cat 5 Fifty Pairs Unshield indoor Data Cable

结构示意图 Construction Diagram



UTP五类25对非屏蔽数据电缆，符合中华人民共和国行业标准YD/T (1019-2001)，符合美国ANSI/TIA/EIA-568B.2标准，ISO/IEC11801标准，UL Subject 444标准。  
UTP Cat 5 Twenty-five Pairs Unshield Data Cable is accordance with China special standard No.YD/T (1019-2001), American standard No. ANSI/TIA/EIA-568B.2,SO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC Sheath, Insulation, Conductor, Tear Rope, Subunit (white Grey Belting), Subunit (Red Blue Belting), Mylar, Subunit (White Brown Belting), Rip Cord, Subunit (White Green Belting), Subunit (White Blue Belting), Subunit (White Orange Belting), Wrapping Yarn, Subunit (Red Orange Belting).

### 产品描述

导体：实芯退火软铜导体，直径0.51mm  
绝缘：实芯聚烯烃  
线对：50对 色谱为：全色谱  
护套：阻燃PVC或低烟无卤，外径 12.5±0.5mm

### Product Description

Conductor: solid annealed flexible copper with diameter in 0.51mm  
Insulation: solid polyolefin  
Pairs: fifty  
Sheath: flame-retardant PVC or LSOH material with diameter in 12.5±0.5mm

### 产品应用

100BASE-T以太网 (IEEE802.3)  
TP-PMD(ANSI X3T9.5)  
100VG-AnyLAN

### Application

1000 Base-TX  
Token Ring  
100BASE-T Ethernet (IEEE802.3)  
TP-PMD(ANSI X3T9.5)

### 产品性能 Product performance

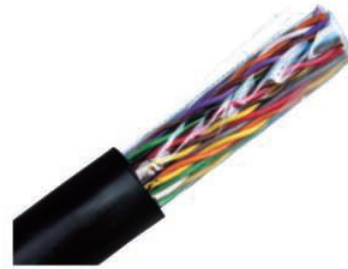
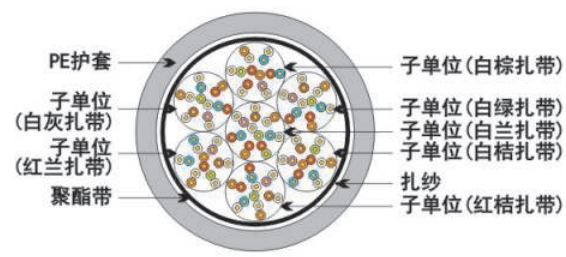
频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (DB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	1.8	67.0	66.2
1.0		20.0	2.0	65.3	64.0
4.0		23.0	4.1	56.3	52.0
8.0		24.5	5.8	51.8	45.9
10.0		25.0	6.5	50.3	44.0
16.0		25.0	8.2	47.2	39.9
20.0		25.0	9.3	45.8	38.0
25.0		24.3	10.4	44.3	36.0
31.25		23.6	11.7	42.9	34.1
62.5		21.5	17.0	38.4	28.1
100.0		20.1	22.0	35.3	24.0





## UTP室外五类50对非屏蔽数据电缆 UTP Cat 5 Fifty Pairs Unshield Outdoor Data Cable

结构示意图 Construction diagram



UTP五类25对非屏蔽数据电缆,符合中华人民共和国行业标准YD/T(1019-2001),符合美国ANSI/TIA/EIA-568B.2标准,ISO/IEC11801标准,UL Subject 444标准。  
UTP Cat 5 Twenty-five Pairs Unshield Data Cable is accordance with China special standard No.YD/T(1019-2001), American standard No. ANSI/TIA/EIA-568B.2,SO/IEC11801 and UL Subject 444 of America.

From upper to low: PE Sheath,Subunit(White Grey Belting),Subunit(Red Blue Belting),Mylar,subunit (White Brown Belting),Subunit(White Green Belting),Subunit(White Blue Belting),Subunit(White orange Belting),Wrapping Yarn,Subunit(Red orange Belting).

### 产品描述

导体: 实芯退火软铜导体, 直径0.50mm  
绝缘: 实芯聚烯烃  
线对: 50对 色谱为: 全色谱  
护套: 阻燃PVC或低烟无卤, 外径 16.5±0.5mm

### Product Description

Conductor: solid annealed flexible copper with diameter in 0.50mm  
Insulation: solid polyolefin  
Pairs: fifty  
Sheath: flame-retardant PVC or LSOH material with diameter in 16.5±0.5mm

### 产品应用

100BASE-T以太网 (IEEE802.3)  
TP-PMD(ANSI X3T9.5)  
100VG-AnyLAN

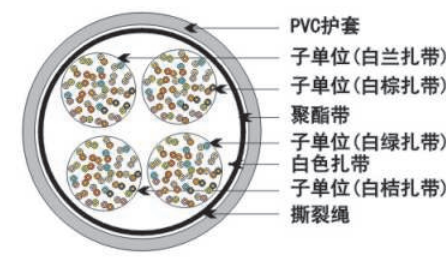
### Application

1000 Base-TX  
Token Ring  
100BASE-T Ethernet (IEEE802.3)  
TP-PMD(ANSI X3T9.5)

频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (DB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	1.8	67.0	66.2
1.0		20.0	2.0	65.3	64.0
4.0		23.0	4.1	56.3	52.0
8.0		24.5	5.8	51.8	45.9
10.0		25.0	6.5	50.3	44.0
16.0		25.0	8.2	47.2	39.9
20.0		25.0	9.3	45.8	38.0
25.0		24.3	10.4	44.3	36.0
31.25		23.6	11.7	42.9	34.1
62.5		21.5	17.0	38.4	28.1
100.0		20.1	22.0	35.3	24.0

## UTP室内五类100对非屏蔽数据电缆 UTP Cat 5 One-hundred Pairs Unshield indoor Data Cable

结构示意图 Construction diagram



UTP五类25对非屏蔽数据电缆,符合中华人民共和国行业标准YD/T(1019-2001),符合美国ANSI/TIA/EIA-568B.2标准,ISO/IEC11801标准,UL Subject 444标准。  
UTP Cat 5 Twenty-five Pairs Unshield Data Cable is accordance with China special standard No.YD/T(1019-2001), American standard No. ANSI/TIA/EIA-568B.2,SO/IEC11801 and UL Subject 444 of America.

From upper to low: PVC Sheath,Subunit(white Blue Belting),Subunit(White Brown Belting),Mylar,Subunit(White Green Belting),White Belting,Sunbunit(White Orange Belting),Tear Rope.

### 产品描述

导体: 实芯退火软铜导体, 直径0.50mm  
绝缘: 实芯聚烯烃  
线对: 100对 色谱为: 全色谱  
护套: 阻燃PVC或低烟无卤, 外径 18.5±0.5mm

### Product Description

Conductor: solid annealed flexible copper with diameter in 0.50mm  
Insulation: solid polyolefin  
Pairs: One-hundred  
Sheath: flame-retardant PVC or LSOH material with diameter in 18.5±0.5mm

### 产品应用

100BASE-T以太网 (IEEE802.3)  
TP-PMD(ANSI X3T9.5)  
100VG-AnyLAN

### Application

1000 Base-TX  
Token Ring  
100BASE-T Ethernet (IEEE802.3)  
TP-PMD(ANSI X3T9.5)

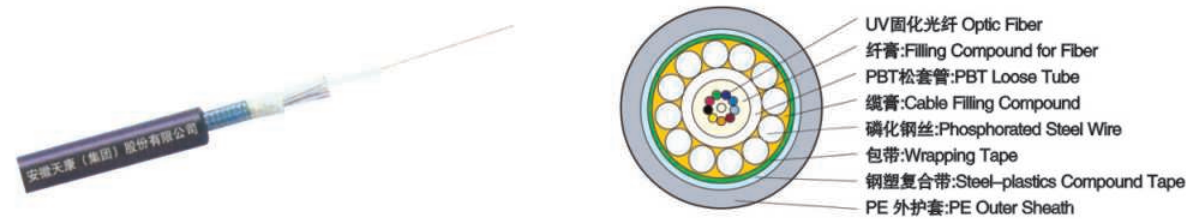
频率 (MHz) Frequency	特性阻抗 (ohm) Character impedance	回波损耗 (dB) Echo Loss	衰减 (dB/100m) Attenuation	近端串音 (dB/100m) Near-end crosstalk	等效远端串音 (DB/100m) Equivalent far-end crosstalk
0.772	100±15	19.4	1.8	67.0	66.2
1.0		20.0	2.0	65.3	64.0
4.0		23.0	4.1	56.3	52.0
8.0		24.5	5.8	51.8	45.9
10.0		25.0	6.5	50.3	44.0
16.0		25.0	8.2	47.2	39.9
20.0		25.0	9.3	45.8	38.0
25.0		24.3	10.4	44.3	36.0
31.25		23.6	11.7	42.9	34.1
62.5		21.5	17.0	38.4	28.1
100.0		20.1	22.0	35.3	24.0





2-12芯中心束管式光缆(钢丝铠装)  
2-12 Cores Central Tube Fiber Optic Cable(Steel Wire Armored)

结构示意图 Construction Diagram



产品型号: GYXTS

- 中心松套管光纤
- 缆芯填充油膏
- 12根钢丝均匀绞合于松套管周围
- 双面涂塑钢带粘结PE护套

Type: GYXTS

- Optic fiber in central loose tube
- Cable core filled with filling compound Ointment.
- 12 pieces of steel wire evenly stranded around loose tube
- Double-sided Plastics-coated steel tape bound with PE sheath

应用范围: 适用于长途通信和局间通信  
敷设方式: 管道、架空和直埋  
适用温度: -40℃~+60℃

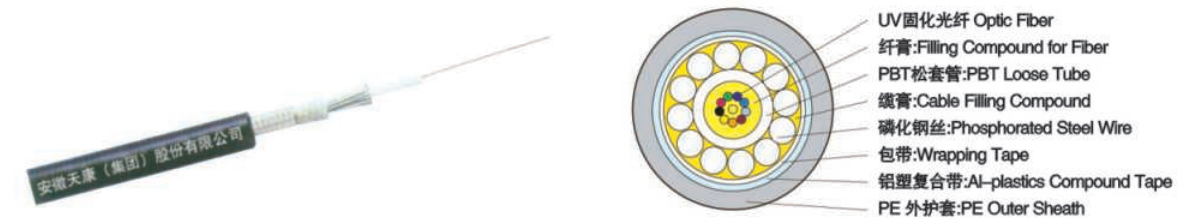
Application Range: long distance & local communications  
Mounting Ways: pipe, aerial or direct burial  
Application Temperature: -40℃~+60℃

技术参数 Technical Parameters

光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~12	10.6	165	120	240	1500	600	1000	300

2-12芯中心束管式光缆(钢丝铠装)  
2-12 Cores Central Tube Fiber Optic Cable(Steel Wire Armored)

结构示意图 Construction Diagram



产品型号: GYXTA

- 中心松套管光纤
- 缆芯填充油膏
- 12根钢丝均匀绞合于松套管周围
- 双面涂塑铝带粘结PF护套

Type: GYXTA

- Optic fiber in central loose tube
- Cable core filled with filling compound Ointment
- 12 pieces of steel wire evenly stranded around loose tube
- Double-sided Plastics-coated steel tape bound with PE sheath

应用范围: 适用于长途通信和局间通信  
敷设方式: 管道、架空  
适用温度: -40℃~+60℃

Application Range: long distance & local communications  
Mounting Ways: pipe or aerial or mounting  
Application Temperature: -40℃~+60℃

技术参数 Technical Parameters

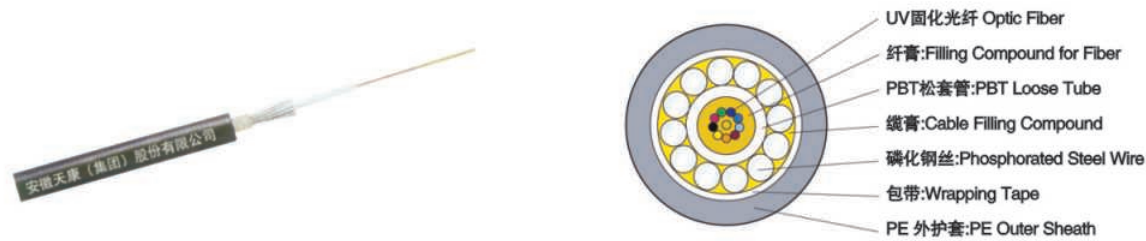
光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~12	10.4	150	120	240	1500	600	1000	300





## 2-12芯中心束管式光缆(钢丝铠装) 2-12 Cores Central Tube Fiber Optic Cable(steel Wire Armored)

结构示意图 Construction Diagram



**产品型号: GYXTY**

- 中心松套管光纤
- 缆芯填充油膏
- 12根钢丝均匀绞合于松套管周围
- PE护套

**Type: GYXTY**

- Optic fiber in central loose tube
- Cable core filled with filling compound Ointment
- 12 pieces of steel wire evenly stranded around loose tube
- PE sheath

**应用范围:** 适用于局间通信  
**敷设方式:** 管道、架空  
**适用温度:** -40℃~+60℃

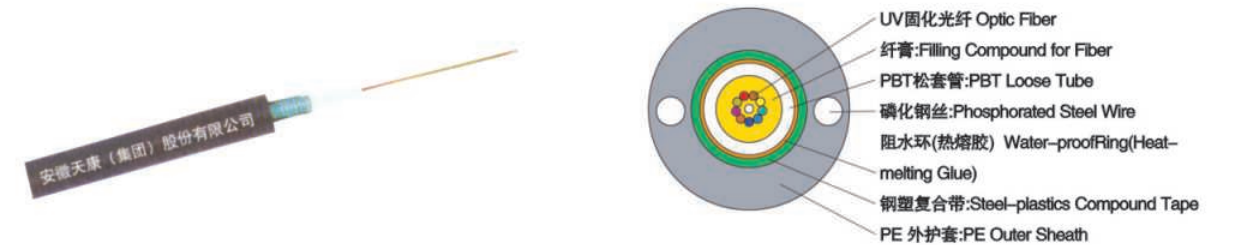
**Application Range:** Local communications  
**Mounting Ways:** pipe, aerial  
**Application Temperature:** -40℃~+60℃

**技术参数 Technical Parameters**

光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~12	9.6	134	100	200	1500	600	1000	300

## 2-12芯中心束管式光缆(钢带铠装) 2-12 Cores Central Tube Fiber Optic Cable(steel Wire Armored)

结构示意图 Construction Diagram



**产品型号: GYXTW**

- 中心松套管光纤
- 皱纹钢带粘接PE护套
- 钢带与松套管之间热熔胶粘接
- PE护套内加入双平行钢丝

**Type: GYXTW**

- Optic fiber in central loose tube
- Corrugated steel tape bound PE sheath
- Steel tape & loose tube bound together with heat-melting glue
- 2 pieces of paralleled steel wire within PE sheath

**应用范围:** 适用于长途通信和局间通信  
**敷设方式:** 管道、架空  
**适用温度:** -40℃~+60℃

**Application Range:** for long distance & local communications  
**Mounting Ways:** in pipe, or aerial mounting  
**Application Temperature:** -40℃~+60℃

**技术参数 Technical Parameters**

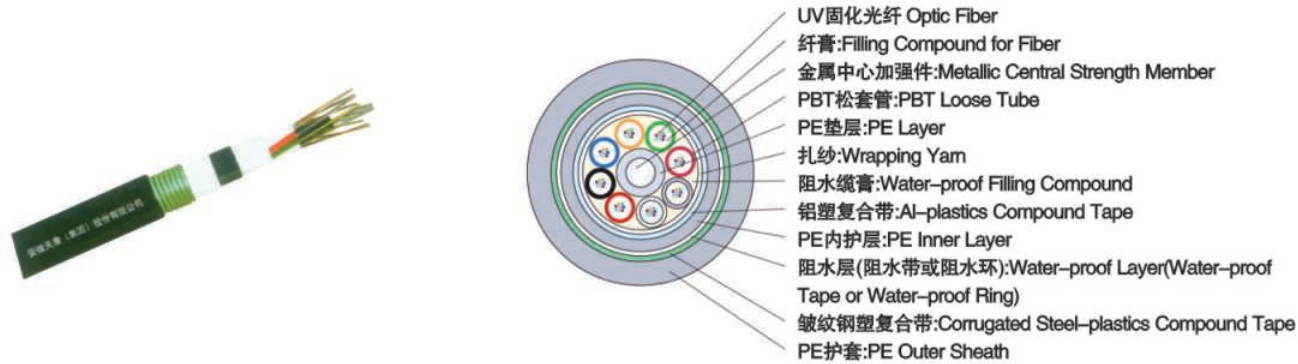
光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~12	10.5	110	110	220	1500	600	1000	300





## 2-144芯直埋松套管绞式光缆 2-144 Cores Loose Tubes Stranded FOC For Direct Burial

结构示意图 Construction Diagram



### 产品型号: GYTA53

- 光纤松套管
- 金属中心加强件
- SZ层绞缆芯内填充油膏
- 铝塑复合带粘结PE内护套
- 皱纹钢塑复合带粘结PE外护套

### Type: GYTA53

- Optic fiber in loose tube
- Metallic central strength member
- Filling compound for SZ stranded cable cores
- Al-plastics compound tape & PE inner sheath bound together
- Corrugated steel-plastics compound tape & PE outer sheath bound together

**应用范围:** 适用于长途通信和局间通信

**敷设方式:** 直埋、电缆沟、槽道、进局

**适用温度:** -40℃~+60℃

**Application Range:** long distance & local communications

**Mounting Ways:** direct burial, in cable furrow, etc.

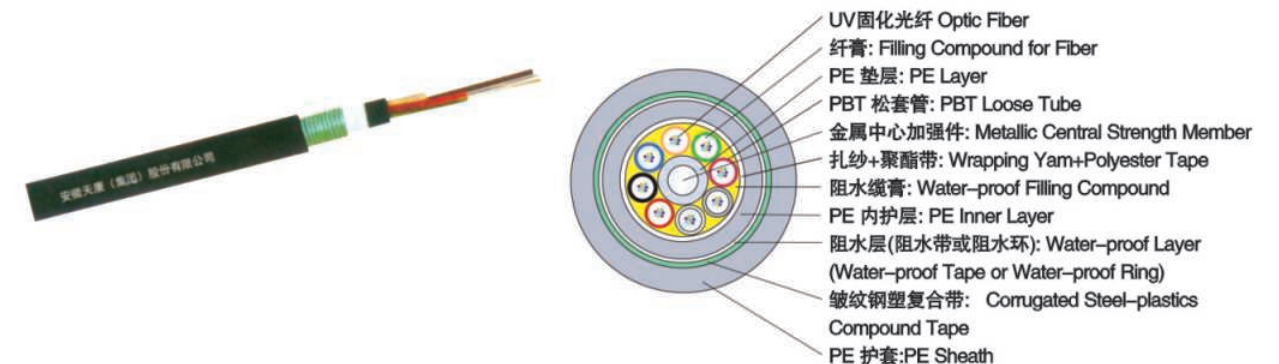
**Application Temperature:** -40℃~+60℃

### 技术参数 Technical Parameters

光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~36	16.3	250	170	340	3000	1000	3000	1000
38~72	17.5	290	180	360	3000	1000	3000	1000
74~144	22.7	475	230	460	3000	1000	3000	1000

## 2-144芯松套管绞式光缆(钢带铠装) 2-144 Cores Loose Tube Stranded FOC(Steel Tape Armored)

结构示意图 Construction Diagram



### 产品型号: GYTY53

- 光纤松套管
- 金属中心加强件
- SZ层绞缆芯内填充油膏
- PE内护层
- 皱纹钢塑复合带粘结PE外护套

### Type: GYTY53

- Optic fiber in loose tube
- Metallic central strength member
- Filling compound for SZ stranded cable cores
- PE Inner Sheath
- Corrugated steel-plastics compound tape & PE outer sheath bound together

**应用范围:** 适用于长途通信和局间通信

**敷设方式:** 管道、架空、直埋、进局、槽道、电缆沟

**适用温度:** -40℃~+60℃

**Application Range:** long distance & local communications

**Mounting Ways:** pipe, for aerial mounting or direct burial, in cable furrow, etc.

**Application Temperature:** -40℃~+60℃

### 技术参数 Technical Parameters

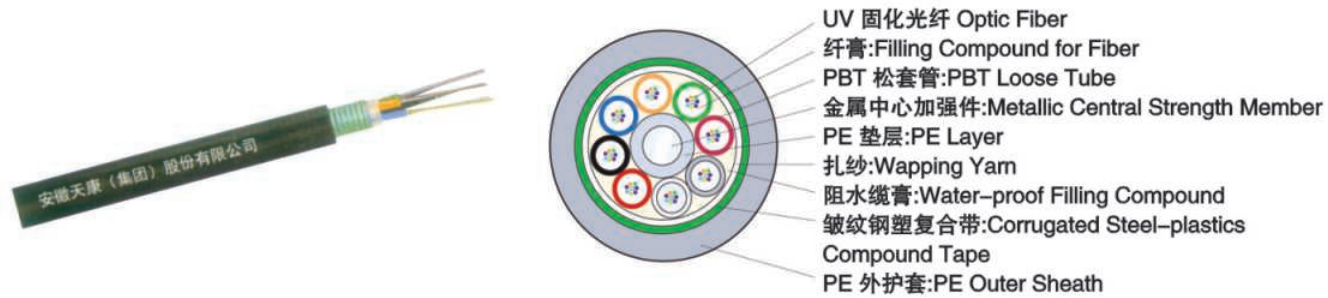
光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~36	15.3	211	150	300	3000	1000	3000	1000
38~72	16.5	251	170	340	3000	1000	3000	1000
74~144	21.7	427	220	440	3000	1000	3000	1000





## 2-144芯松套管层绞式光缆(钢带铠装) 2-144 Cores Loose Tubes Stranded FOC(Steel Tape Armored)

结构示意图 Construction Diagram



### 产品型号: GYTS

- 光纤松套管
- 金属中心加强件
- SZ层绞缆芯内填充油膏
- 双面涂塑钢带粘结PE护套

### 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

**应用范围:** 适用于长途通信和局间通信

**敷设方式:** 管道、架空、槽道、电缆沟、直埋

**适用温度:** -40℃~+60℃

**Application Range:** long distance & local communications

**Mounting Ways:** pipe, for aerial mounting or direct burial, incable furrow, etc.

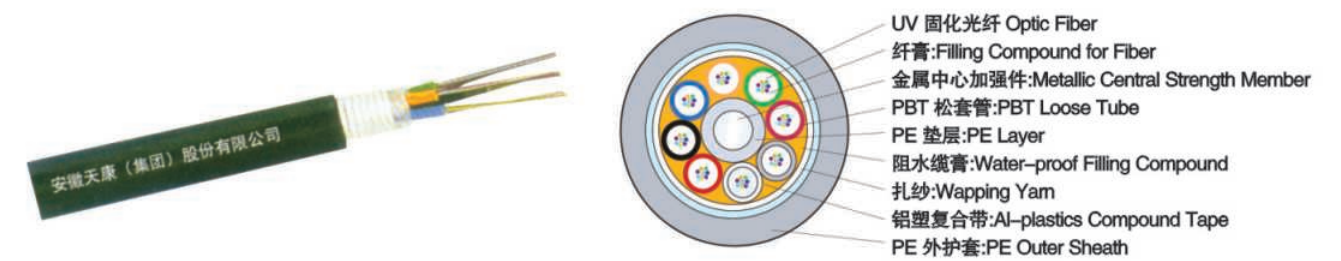
**Application Temperature:**-40℃~+60℃

### 技术参数 Technical Parameters

光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~36	12.9	158	120	240	1500	600	1000	300
38~72	14.1	194	140	280	1500	600	1000	300
74~144	19.3	359	190	380	1500	600	1000	300

## 2-144芯松套管层绞式光缆(铝带纵包) 2-144 Cores Loose Tube Stranded FOC(with Corrugated Al Tape)

结构示意图 Construction Diagram



### 产品型号: GYTA

- 光纤松套管
- 金属中心加强件
- SZ层绞缆芯内填充油膏
- 双面涂塑铝带粘结PE外护套

### Type: GYTA

- Optic fiber in loose tube
- Metallic central strength member
- Filling compound for SZ stranded cable cores
- Double-sided Plastics coated Al tape & PE sheath bound together

**应用范围:** 适用于长途通信和局间通信

**敷设方式:** 管道、架空、进局、槽道、  
电缆沟

**适用温度:** -40℃~+60℃

**Application Range:** long distance & local communications

**Mounting Ways:** pipe, for aerial mounting or in cable furrow, etc.

**Application Temperature:**-40℃~+60℃

### 技术参数 Technical Parameters

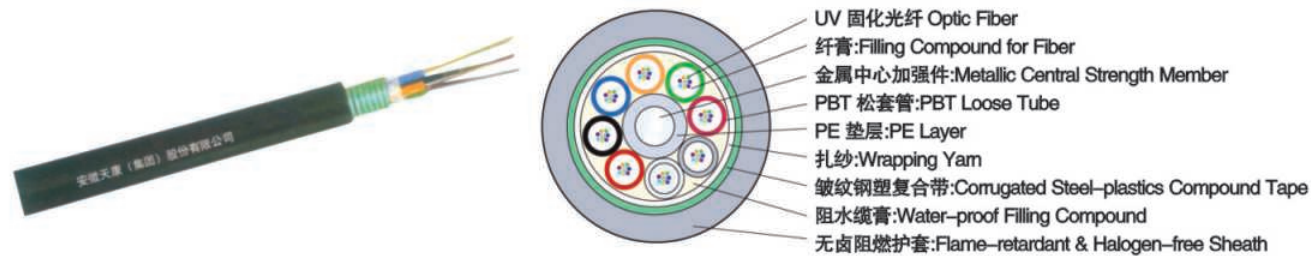
光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~36	12.3	138	120	240	1500	600	1000	300
38~72	13.5	167	140	280	1500	600	1000	300
74~144	18.6	310	190	380	1500	600	1000	300





## 2-144芯阻燃松套管层绞式光缆(钢带铠装) 2-144 Cores Flame-retardant Loose Tubes Stranded FOC(Steel Tape Armored)

结构示意图 Construction Diagram



### 产品型号: GYTZS

- 光纤松套管
- 金属中心加强件
- SZ层绞缆芯内填充油膏
- 双面涂塑钢带粘结PE外护套

### Type: GYTZS

- Optic fiber in loose tube
- Metallic central strength member
- Filling compound for SZ stranded cable cores
- Double-sided Plastics-coated steel tape & PE sheath bound together

**应用范围:** 适用于长途通信和局间通信

**敷设方式:** 进局、隧道、架空

**适用温度:** -40℃~+60℃

**Application Range:** long distance & local communications

**Mounting Ways:** tunnel, for aerial mounting, etc.

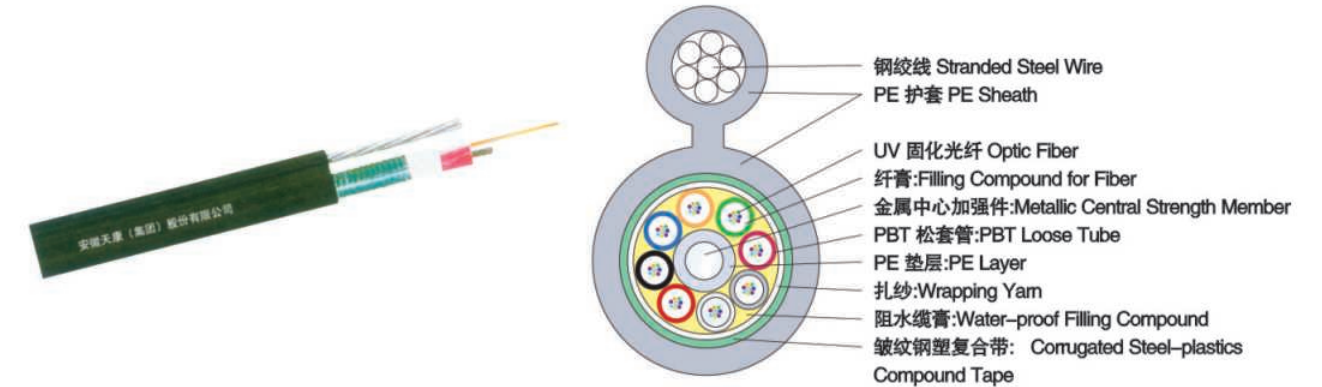
**Application Temperature:** -40℃~+60℃

### 技术参数 Technical Parameters

光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~36	12.9	158	120	240	1500	600	1000	300
38~72	14.1	194	140	280	1500	600	1000	300
74~144	19.3	359	190	380	1500	600	1000	300

## 8字型自承式光缆 8-shape Self Supporting FOC

结构示意图 Construction Diagram



### 产品型号: GYSTCS

- 光纤松套管
- 金属中心加强件
- SZ层绞缆芯内填充油膏
- 双面涂塑钢带粘结PE护套
- 钢绞线作自承

### Type: GYSTCS

- 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

**应用范围:** 适用于长途通信和局间通信

**敷设方式:** 架空

**适用温度:** -40℃~+60℃

**Application Range:** for long distance & local communications

**Mounting Ways:** aerial

**Application Temperature:** -40℃~+60℃

### 技术参数 Technical Parameters

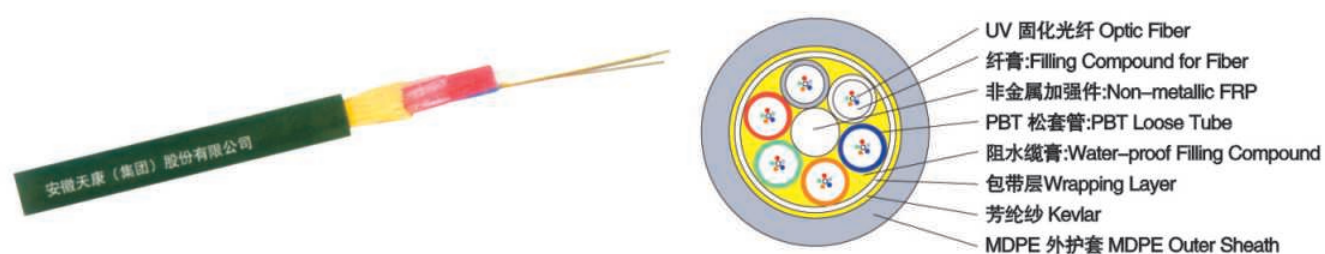
光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~36	11.8	275	120	240	8000	6000	3000	1000
38~72	13.4	311	140	280	8000	6000	3000	1000





## 2-144芯非金属松套管层绞式光缆 2-144 Cores Non-metallic Loose Tube Stranded FOC

结构示意图 Construction Diagram



### 产品型号: GYFTY

- 光纤松套管
- 非金属中心加强件(FRP)
- SZ层绞缆芯内填充油膏
- PE外护套
- 芳纶纱加强

### Type: GYFTY

- Optic fiber in loose tube
- Non-metallic FRP
- Filling compound for SZ stranded cable cores
- PE outer sheath
- Kevlar reinforcement

**应用范围:** 适用于长途通信和局间通信和强电磁场所

**敷设方式:** 架空、管道、进局、槽道、电缆沟

**适用温度:** -40℃~+60℃

**Application Range:** long distance & local communications

**Mounting Ways:** aerial mounting, or in pipe, tunnel, cable furrow, etc.

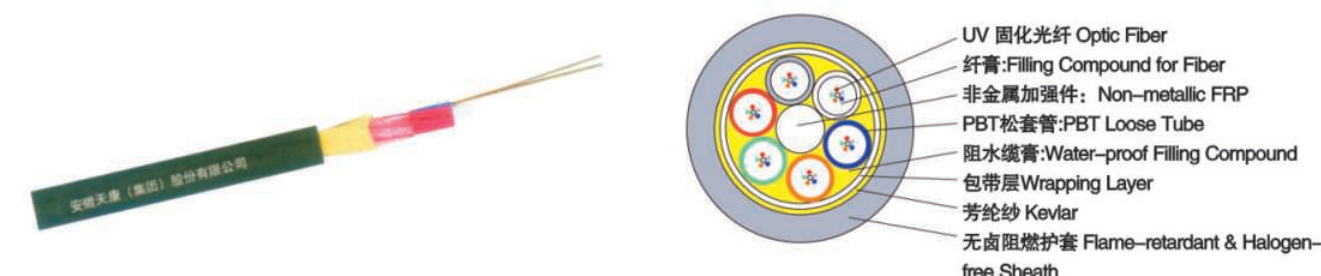
**Application Temperature:** -40℃~+60℃

### 技术参数 Technical Parameters

光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~36	11.0	98	110	220	1500	600	1000	300
38~72	12.5	130	130	260	1500	600	1000	300
74~144	15.0	260	160	320	1500	600	1000	300

## 2-144芯阻燃非金属松套管层绞式光缆 2-144 Cores Flame-retardant, Non-metallic Loose Tubes Stranded FOC

结构示意图 Construction Diagram



### 产品型号: GYFTZY

- 光纤松套管
- 非金属中心加强件(FRP)
- SZ层绞缆芯内填充油膏
- 低烟无卤阻燃护套

### Type: GYFTZY

- Optic fiber in loose tube
- Non-metallic FRP
- Filling compound for SZ stranded cable cores
- Flame-retardant, low smoke & halogen-free sheath

**应用范围:** 适用于长途通信和局间通信和强电磁场所

**敷设方式:** 架空、进局、隧道

**适用温度:** -40℃~+60℃

**Application Range:** for long distance & local communications with strong electromagnetic field effect.

**Mounting Ways:** for direct mounting, or in tunnel, etc.

**Application Temperature:** -40℃~+60℃

### 技术参数 Technical Parameters

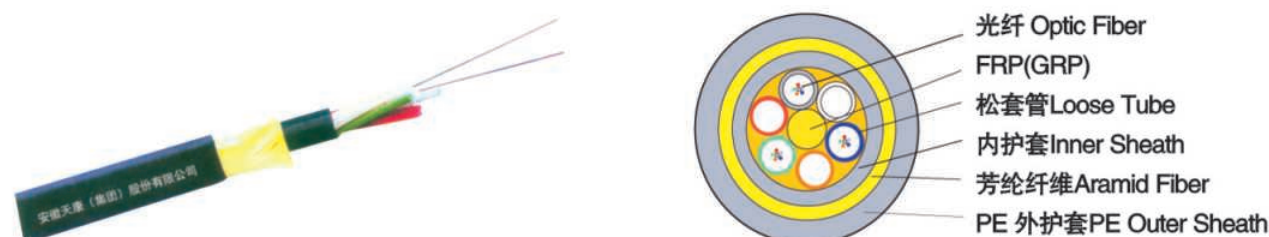
光缆芯数 FOC Core(s)	光缆外径(mm) FOC Outer Diameter	光缆重量 (kg/km) FOC Weight	最小弯曲半径(mm) Min. Bending Radius		允许拉伸力最小值(N) Min. Tension Allowed		允许压扁力最小值 (N/100mm) Min. Flattening Force Allowed	
			静态 Static	动态 Dynamic	短期 Short Term	长期 Long Term	短期 Short Term	长期 Long Term
2~36	11.0	126	110	220	1500	600	1000	300
38~72	12.5	160	130	260	1500	600	1000	300
74~144	15.0	300	160	320	1500	600	1000	300





## 无金属自承式光缆 I (ADSS) All Dielectric Self-Supporting FOC I (ADSS)

结构示意图 Construction diagram



### 产品型号: GYFTCY

- 非金属加强件
- PE内护套
- 松套管绞填充式
- 芳纶纤维加强
- 高强度、耐电痕护套

**应用范围:** 可与高压电力线路同塔架设, 也可用于电信系统跨大江大河、崇山峻岭等地形复杂地带。

**敷设方式:** 架空

**适用温度:** -40℃~+70℃

### Type: GYFTCY

- Non-metallic FRP
- PE inner sheath
- Loose tube stranded filled with jelly
- Aramid fiber reinforcement
- High strength, electric tracking-resistant sheath

**Application Range:** It could be installed on the same tower for high voltage power line, or used for telecom system lines spanning rivers and mountains.

**Mounting Ways:** aerial mounting

**Application Temperature:** -40℃~+70℃

跨距(m) Span	最小破断力(kN) Max.Breaking Force	最大安全运行张力(kN) Max.Operation Tension	光缆模量 (10 <sup>4</sup> N/mm <sup>2</sup> ) Cable Module	光缆标称外径(mm) Nominal Cable Outer Diameter	缆重(kg/m) Cable Weight
100	14.1	6.6	0.4	14	0.17
200	22.3	10.5	0.6		
300	28.2	13.2	0.8		
400	44.7	17.6	1.2		
500	50.2	19.8	1.4		
600	55.9	22.0	1.5	15	0.19
700	61.4	24.2	1.7		
800	67.0	26.4	2.1		
900	72.6	28.6	2.2		
参考气象条件 Weather Conditions for Reference		10m/s 风 wind, 5mm 冰 ice; 25m/s 风 wind, 0mm 冰 ice			

项目 Items	实验条件 Test Conditions	指标 Indices	附加衰减 Additional Attenuation	光纤应变 Optic Fiber Strain
拉伸张力 (N) Tension	短期 Short-term	W	≤ 0.05dB	≤ 1.5%
	长期 Long-term	T	≤ 0.02dB	≤ 0.05%
压扁 (N) Crush	短期 Short-term	≥ 4000	≤ 0.05dB	
	长期 Long-term	≥ 2000	≤ 0.02dB	
温度循环 Temperatuer Cycle	-40℃~+65℃	2个循环 2cycles	≤ 0.10dB	
抗风力振动 Vibration Resistance	低频, 小振幅 Low frequency, small amplitude	≥ 1亿次 ≥ one hundred million times	≤ 1.0dB	
渗水 Water Penetration	1m 缆 1m 水柱 24h 全截面 1m cable, 1m water depth, 24h, full cross section	无水渗出 No		
耐电痕 Electric Corrosion Resistance	4kV, 3000S NaCL 溶液+0.1%活性剂 >100次喷射 More than 100 times spray of 3000s NaCL solution plus 0.1% activator under 4kV	护套无腐蚀痕迹 No		
允许弯曲半径 Allowed Bending Radius	敷设时 For installation	20倍缆径 20 times of cable diameter		
	运行时 For operation	10倍缆径 10 times of cable diameter		
允许侧压力 (N/100mm) Allowed Side Pressure	短期 Short-term	≥ 4000		
	长期 Long-term	≥ 2000		

注: W—光缆使用地最恶劣气候条件下(覆冰、风力、高低温等)并考虑实际使用环境(弧垂、跨距、高差等)时的理论值; T—光缆使用地年常见气候条件下(常见的覆冰、风力、高低温等)并考虑实际使用环境(弧垂、跨距、高差等)时的理论值; W、T值也可通过与用户协商后确定力值。

**适用温度:** -40℃~+70℃

在此温度范围内, 1310nm和1550nm衰减系数变化不大于0.05dB/km

#### 电气及环境性能

**光缆渗水性能:** 全截面阻水(可接受L型水槽测试)

**Remarks:** W— ideal value for cable used under worst wether condition (covering ice, wind, extreme temperature, etc.) considering actual circumstances (drop, span,height difference, etc.); T— ideal value for cable used under common weather conditions (common covering ice, wind, extreme temperature, etc.) considering actual circumstances (drop, span, height difference, etc.) W,T value could be confirmed through discussion with customers.

**Application Temperature:** -40℃~+70℃;

Attenuation coefficient change at 1310nm and 1550nm remains no more than 0.05dB/km within the range.

#### Electric & Environmental Performance

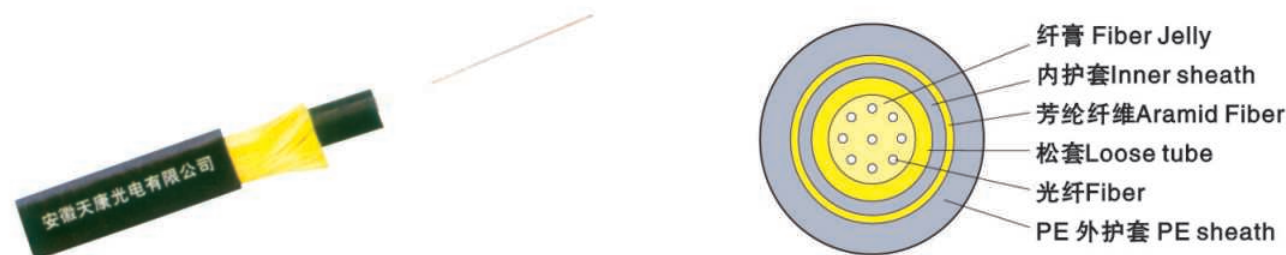
**Water Penetration Performance:** water block for whole cross section(tested in L-shaped water rough)  
Anhui





## 无金属自承式光缆 II (ADSS) All Dielectric Self-Supporting FOC II (ADSS)

结构示意图 Construction Diagram



### 产品型号: GYFXTCY

- 中心束管式
- PE内护套
- 芳纶纤维加强
- 高强度、耐电痕护套

**应用范围:** 可与高压电力线路同塔架设, 也可用于电信系统跨大江大河、山峰等地形复杂地带。建议用于300m以下跨距。

**敷设方式:** 架空

**适用温度:** -40℃~+70℃

### Type: GYFXTCY

- Central tube type
- PE inner sheath
- Aramid fiber reinforcement
- High strength, electric tracking-resistant sheath

**Application Range:** It could be installed on the same tower for high voltage power line, or used for telecom system lines spanning rivers and mountains. Span recommended is less than 300 meters.

**Mounting Ways:** for aerial mounting

**Application Temperature:** -40℃~+70℃

跨距(m) Span	最小破断力(kN) Max.Breaking Force	最大安全运行张力(kN) Max.Operation Tension	光缆标称外径(mm) Nominal Cable Outer Diameter	缆重(kg/m) Cable Weight
50	6.3	2.8	11	105
100	12.6	5.6	11	105
150	18.9	8.4	11	105
200	21.0	9.4	11	105
250	24.2	10.8	11	105
300	25.2	11.3	11	105
参考气象条件 Weather Conditions for Reference		10m/s 风, 5 mm 冰; 25m/s 风, 0mm 冰 10m/s wind, 5mm 冰 ice; 25m/s 风 wind, 0mm 冰 ice		

项目 Items	实验条件 Test Conditions	指标 Indices	附加衰减 Additional Attenuation	光纤应变 Optic Fiber Strain
拉伸张力(N) Tension	短期 Short-term	W	≤ 0.05dB	≤ 1.5%
	长期 Long-term	T	≤ 0.02dB	≤ 0.05%
压扁(N) Crush	短期 Short-term	≥ 4000	≤ 0.05dB	
	长期 Long-term	≥ 2000	≤ 0.02dB	
温度循环 Temperatuer Cycle	-40℃~+65℃	2个循环 2cycles	≤ 0.10dB	
抗风力振动 Vibration Resistance	低频, 小振幅 Low frequency, small amplitude	≥ 1亿次 ≥ one hundred million times	≤ 1.0dB	
渗水 Water Penetration	1m 缆 1m 水柱 24h 全截面 1m cable, 1m water depth, 24h, full cross section	无水渗出 No		
耐电痕 Electric Corrosion Resistance	4kV, 3000S NaCl 溶液+0.1%活性剂 >100次喷射 More than 100 times spray of 3000s NaCl solution plus 0.1% activator under 4kV	护套无腐蚀痕迹 No		
允许弯曲半径 Allowed Bending Radius	敷设时 For installation	20倍缆径 20 times of cable diameter		
	运行时 For operation	10倍缆径 10 times of cable diameter		
允许侧压力(N/100mm) Allowed Side Pressure	短期 Short-term	≥ 4000		
	长期 Long-term	≥ 2000		

注: W—光缆使用地最恶劣气候条件下(覆冰、风力、高低温等)并考虑实际使用环境(弧垂、跨距、高差等)时的理论值; T—光缆使用地年常见气候条件下(常见的覆冰、风力、高低温等)并考虑实际使用环境(弧垂、跨距、高差等)时的理论值; W、T值也可通过与用户协商后确定力值。

**适用温度:** -40℃~+70℃  
在此温度范围内, 1310nm和1550nm衰减系数变化不大于 0.05dB/km

**电气及环境性能**  
**光缆渗水性能:** 全截面阻水(可接受L型水槽测试)

**Remarks:** W— ideal value for cable used under worst wether condition (covering ice, wind, extreme temperature, etc.) considering actual circumstances (drop, span,height difference, etc.); T— ideal value for cable used under common weather conditions (common covering ice, wind, extreme temperature, etc.) considering actual circumstances (drop, span, height difference, etc.)  
W,T value could be confirmed through discussion with customers.

**Application Temperature:** -40℃~+70℃;  
Attenuation coefficient change at 1310nm and 1550nm remains no more than 0.05dB/km within the range.

**Electric & Environmental Performance**  
**Water Penetration Performance:** water block for whole cross section(tested in L-shaped water rough)  
Anhui





## 适配器 Adapter



### SC适配器

颜色: PC为蓝色, APC为绿色。  
可以在插座体上为客户制作标记。  
插入损耗:小于0.3dB。

### FC适配器

可供圆形插座体。  
原装日本瓷套管。  
插入损耗:小于0.3dB。

### ST适配器

防尘帽以蓝色为基本色。  
插入损耗:0.3dB。

### SC Adapter

Color:blue for PC,green for APC  
We may add mark designated by customer onto socket body.  
Insert: Less than 0.3dB

### FC Adapter

That with circular socket is also available.  
Imported Japanese Ceramic Tube  
Insert: Less than 0.3dB

### ST Adapter

Blue for Ditt-proof Cap  
Insert:Less than 0.3dB

## 光缆接续盒、终端盒 Junction Box & Terminal Box for FOC



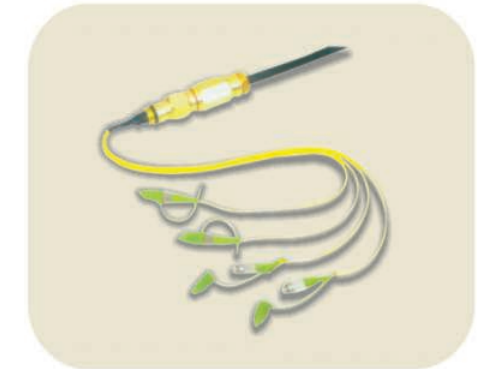
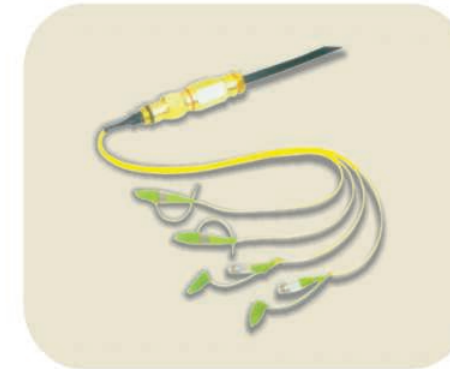
### 特性

- 材料坚固耐用, 可抵御各种恶劣环境。
- 适用于架空、管道、直埋的各类光缆工程。
- 可供1 2芯、24芯、48芯及1 44芯以上的光缆接续工程。
- 光纤曲率半径:  $\geq 50\text{mm}$
- 环境温度:  $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- 大气压力:  $70\text{kPa} \sim 106\text{kPa}$
- 使用寿命: 20年
- 终端盒型号: GP05-芯数

### Performance:

- The material of the boxes is durable for usage with strong adaptability to various bad environmental conditions.
- It is suitable for various projects of FOC mounted apecially, in pipe or for direct burial.
- The boxes for FOC with 12 cores,24cores,48cores or more than144 cores more are also available.
- Optic Fiber Bending Radius:more than 50mm
- Environment Temperature:  $-40^{\circ}\text{C} \sim +55^{\circ}\text{C}$
- Air perssure:  $70\text{KPa} \sim 106\text{KPa}$
- Life Expectancy: 20 years
- Terminal Box Type: GP05-core number

## 防水尾缆 Water-proof FOC Pigtail



### 特性

可连接各种型号的连接  
采用耐用的防水接头, 安装方便, 可靠。  
可根据需要选择不同的芯数。

### Characters

It is suitable for various connectors.  
The waterproof joint is stable and durable and convenient for installation  
The pigtail of different cores is available ad demands.

### 技术指标

光纤连接器类型: FC、SC  
插入损耗: $<0.2\text{dB}$   
回波损耗: PC $>40\text{dB}$   
UPC $>50\text{dB}$   
APC $>60\text{dB}$   
工作温度:  $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$   
光缆芯数: 2、4、6、8芯  
光缆外径: 12mm  
光缆长度: 5米

### Technical Indices

Connector Type:FC,SC  
Insert loss: $<0.2\text{dB}$   
Return Wave Loss: PC $>40\text{dB}$   
UPC $>50\text{dB}$   
APC $>60\text{dB}$   
Working Temperature: $-40^{\circ}\text{C} \sim +80^{\circ}\text{C}$   
Cable Cores:2,4,6,8 cores  
FOC Outer Diameter:12mm  
FOC Length:5 meters

### 应用

有线电视光纤网络  
电信光纤用户网  
计算机局域网

### Technical Indices

CATV Network  
Telecommunication Network  
Local Area Network





## 光纤连接器 Optic Fiber Connector

### 特 性

- PC球面研磨 / UPC球面研磨 / APC斜面研磨
- 插入损耗低
- 反射衰减高
- 标准金属件, 二氧化锆陶瓷插芯
- 光缆外径: 3.0mm, 2.0mm, 0.9mm

### Characters

- PC Spherical Surface Polish/UPC Spherical Surface
- Polish/APC Spherical Surface Polish
- Low insert loss
- High reflection attenuation
- Standard metallic part,ZO2 ceramic insert core
- FOC Outer diameter



### 用 途

- 通信网络
- 数据传输网
- 仪器仪表
- 计算机网络
- 室内布线

### Application

- Communication network
- Data transmission network
- Optic instruments
- Computer network
- Wiring indoor



### 特 性

- 在ODF配线架实现分线
- 插入损耗低
- 反射衰减高
- 互换性好

### Characters

- Characters
- Splitting on ODF
- Low insert loss
- High reflection attenuation
- Better exchangeability

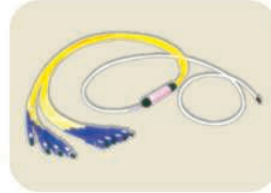


### 用 途

- 通信网络
- 数据传输网
- 仪器仪表
- 计算机网络

### Application

- Communication network
- Data transmission network
- Optic instruments
- Computer network



### 特 性

- 插入损耗小
- 高回波损耗
- 高可靠性与稳定性

### Characters

- Low insert loss
- High return wave loss
- High reliability and stability



### 用 途

- 光纤通信系统
- 光纤数据传输
- 光纤接入网
- 局域网
- 光纤CATV
- 测试设备
- 光纤传感

### Application

- Optic fiber communication system
- Optic fiber data transmission
- Optic fiber connection network
- LAN
- Optic fiber CATV
- Testing devices
- Optic fiber sensor

## 配 件 Optic Fiber Connector

### 110跳线 110 Jumper



### 超五类RJ45屏蔽跳线 CAT5E RJ45 Shielded Jumper



### 超五类RJ45非屏蔽跳线 CAT5E RJ45 Unshielded Jumper



### 六类RJ45非屏蔽跳线 CAT6 RJ45 Unshielded Jumper



### 六类RJ45屏蔽跳线 CAT6 RJ45 Shielded Jumper



### 四对、五对连接模块 Four、Five Pairs Connection Module



### 110系列跳线架 110 Series Patch Guide



### 面板 Panel







配件

Optic Fiber Connector

超五类24口屏蔽模块式配线架  
CAT5E 24-Point Shield Modular Type FIDF



六类24口屏蔽模块式配线架  
CAT6 24-Point Shielded Modular Type FIDF



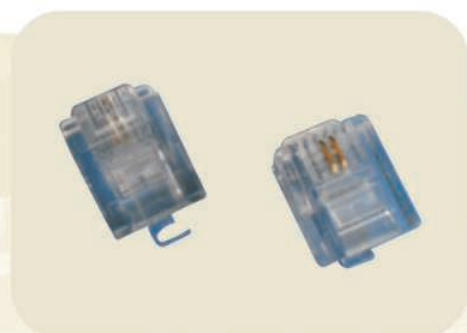
超五类24口模块式配线架  
CAT5E 24-port Modular Type FIDF



六类24口模块式配线架  
CAT6 24-port Modular Type FIDF



Rj11水晶头  
Rj11 Terminated Crystals



超五类RJ45插座模块  
CAT5E RJ45 Socket Module



配件

Optic Fiber Connector

六类RJ45信息插座模块  
CAT6 RJ45 Information Socket Module



六类屏蔽RJ45信息插座模块  
CAT6 Shielded Information Socket Module



RJ11插座模块(2/4芯)  
Rj11 Socket Module(2/4 Core)



超五类屏蔽RJ45插座模块  
CAT5E Shielded RJ45 Socket Module



19" 机柜系列  
Cabinet Series



光纤配线架  
Fiber FIDF

