

**RESEARCH &
TECHNOLOGICAL
EXPLORATION**





KNOWLEDGE BASED ON YEARS OF PASSION

CERTIFICATE OF COMPLIANCE

Certificate Number: 20170125-E478716
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Issued to: HANGZHOU AFSON CABLE & WIRE CO LTD
JINMA INDUSTRIAL ZONE
JINBEI STREET
LINYAN
ZHEJIANG 311300 CHINA

This is to certify that representative samples of COMMUNICATIONS CABLE
Types CMX, CM and CMR, rated at 60 or 75°C:

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 444, Communications Cables
CSA C22.2 No. 214, Communications Cables

Additional information: See the UL Online Certifications Directory at
www.ul.com/databases for additional information.

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.

Signature
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**WELCOME
TO AFSON**

**KNOWLEDGE
BASED ON
YEARS OF
PASSION**





MENU



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“True happiness comes from the joy of deeds well done, the zest of creating things new.”

(Antoine de
Saint-Exupéry)

A blue industrial machine, likely a cable processing or testing device, is shown in a factory setting. It features several rollers and a black cable running through it. The machine is positioned in the foreground, with a blurred background showing other industrial equipment.

Twisted pair is a type of wiring in which two conductors are twisted together for the purposes of canceling out electromagnetic interference. One of the most important production process in order to meet the restricted performance required.

Twisted-pair cabling was invented by Alexander Graham Bell in 1881.



May 2017 - Inauguration of the new innovative factory located in Jinma Industrial Zone in Jinbei Town - Lin'an Zhejiang PRC



Established in 1998, Afson Cable is now a leading manufacturer of **LAN CABLE** with full facilities in Hangzhou, serving customers **globally**.

The products range includes **LAN CABLE** ideal for **computer network** and **Data Centre solutions**.

AFSON provides **Data Communication Cable designed** and engineered to improve **Networking Infrastructure**.

A full range of products are available including **Cat5e, Cat6, cat6A, Cat7, Cat7A, Ethernet Patch Cables and Data Centre special cable**.

Our company designs, develops, manufactures and sells also a full range of **Coaxial cable** suitable for TV, Satellite, Data Application, Broadband Communications Networks, and Special Cable to fulfil requests for customised applications.

We have both volume capability and fast response manufacturing capability which makes us able to support our customers **globally with their projects** and also provide fast service requests.

Afson is specialized in designing and developing branded products for OEM customers.

OUR COMPANY



AFSON CABLE & WIRE IS THE SUBSIDIARY COMPANY OF HANGZHOU AFSON ELECTRONICS CO. LTD. FOUNDED IN 1998, WE ARE NOW LEADERS IN THE FIELD OF COAXIAL AND LAN.

We can provide a big variety of specific products for TVs, satellites and broadband communication networks. Since our company started producing high quality cables, it never stopped improving its activity.

Our facilities are in Hangzhou, but our customers are all over the world: Asia, Europe, USA and Africa.

We are specialized in producing high tech cables used in the networking infrastructure. Our daily goal is to serve at our best every kind of customer and his needs. We are able to satisfy customers from every corner of the world giving a fast service to the requests we receive.

Our main products are Lan cables, patch cords and coaxial cables. Among the products we offer you can find Cat.5e, Cat.6, Cat.6A, Cat.7 and Cat.7A, Ethernet Patching Cables, Data Centre Special Cable. We are also professional in designing

and developing branded products for OEM customers.

Our big efforts are rewarded by the satisfaction of our customers, giving us a good reputation. We are known for two main qualities: stable products and reasonable prices.

AFSON has become a high quality company because of its great team of designers, engineers, manufacturers and sellers. Every member of the company has a long time experience in the field of cables for the telecommunications market.

We take care of all the manufacturing process, from the first steps to the final user. Our aim is to provide excellent customer service.

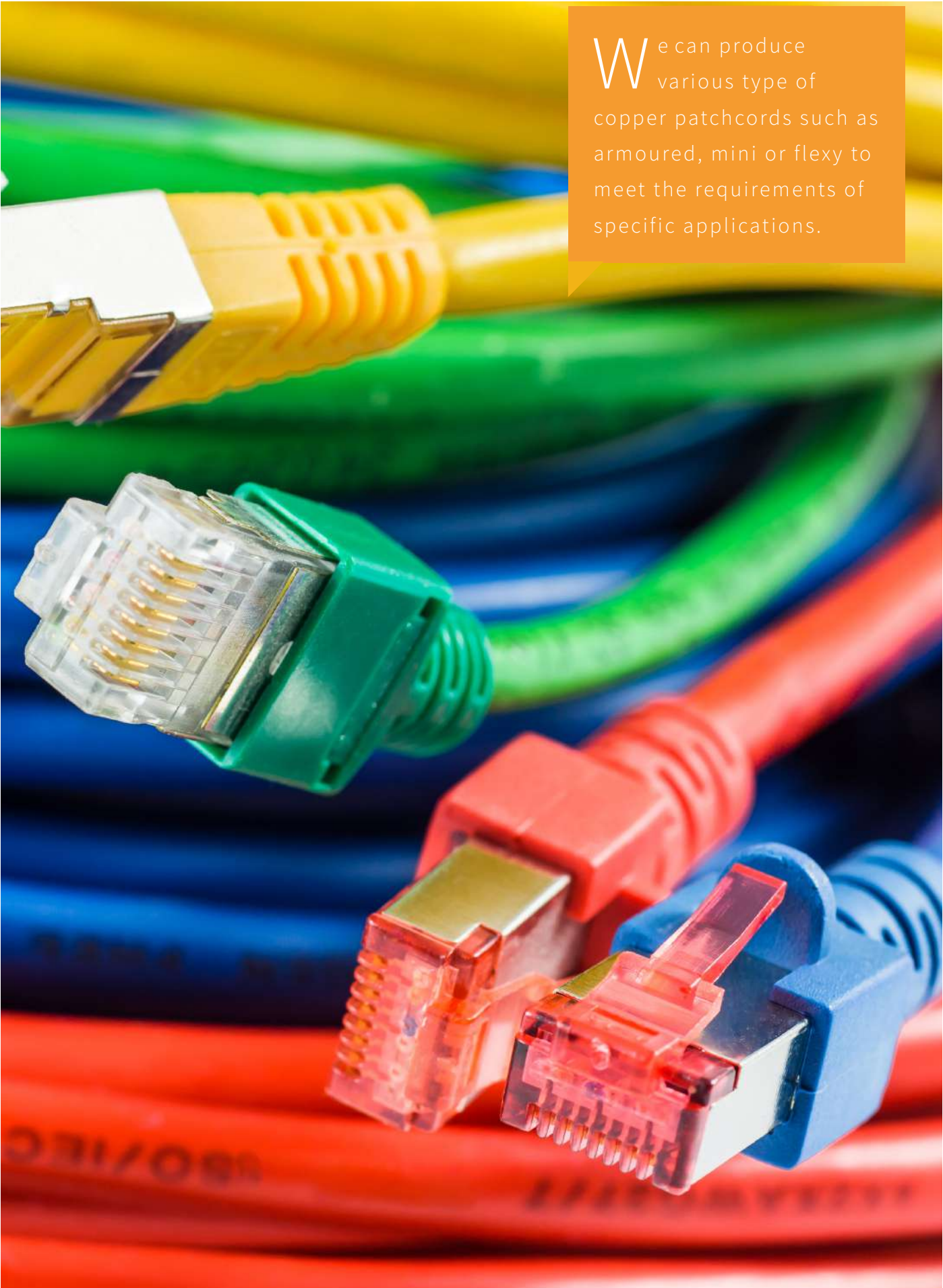


We strive every day to give the best products with the best service



Peter Zhang
Engineer





We can produce various type of copper patchcords such as armoured, mini or flexy to meet the requirements of specific applications.

A close-up photograph of a coaxial cable being processed in a factory. The cable is suspended vertically, and a mechanical component is visible at the bottom, possibly a splicing or crimping tool. The background is a blurred industrial setting.

COAXIAL CABLE



AFSON
www.afsoncable.com

Coaxial cables are now essential components in information technology. They are used in a wide variety of industrial, residential and commercial application such as CATV and CCTV.

The screening on a coaxial cable not only prevents EMI (Electromagnetic Interference) and RFI (Radio Frequency Interference) throughout the circuit, but also protects the loss of signal in high frequency application.

100 % Alluminum Foil and Copper Braiding in various percentages constitutes the most popular type of shielding use with CATV.



OUR TESTS



Tests measurements at the end of each production line are crucial in order to guarantee quality and performance in accordance with national and international parameters.

TYPE TEST:

This type of test is conducted at the beginning of the production with the purpose to check and confirm the design specifications. All other test such as aging, stress, torsion, crush, water penetration, tensile performance and bending test are performed on each unit after production.

ROUTINE TEST:

This is a test which is conducted after each single production and has the purpose to check and confirm proper manufacturing of each and every unit. This is an essential test to be performed before dispatching the products on to the market.

ELECTRICAL TEST:

This test measures the following : Resistance, impedance, capacitance, attenuation and velocity of propagation. In addition we also perform a transmission test which measures delay skew, return loss, cross talk, ACR (Attenuation to Crosstalk Ratio)

All tests are made in accordance with current regulation.

Electrical tests:

Resistance, Impedance, Capacitance, Attenuation, Velocity of propagation. Transmission test: DelaySkew, Return loss, Crosstalk, ACR among others



OUR VISION



We strive to develop and improve on current technologies, as we strongly believe that our cables create real connection between people.

We want our cables to be little perfect pieces of a bigger picture, connecting people for a better tomorrow. We believe in design and sustainable technology.

Our company can really make the difference: such a small object as a cable plays an enormous role in the network communication system.

Our objective is to develop and produce each components which together harmoniously make up a perfect solution.



A fson cable & Wire produces standard cables such as Cat5 to Cat7 but we can also design and produce cables with special features such as hybrid cables, including coaxial + Lan or Fibre + Lan. We can also manufacture said cables with different types of jackets suitable for critical environments and a full range of Multi Pairs Lan cable in each category.

A ll our products come with full test certificate and packaging can be designed to customer's specification.

AFSON LAN CABLE

**THE INDISPUTABLE SOUL OF EACH CABLING
STRUCTURED SYSTEM, IS THE CABLE.**

Into each regulation scenario (harmonization rules) we can find different types of cable in order to satisfy different types of performances and environment conditions. Afson cable & wire provides a full range of OEM LAN cable from cat5e to cat7.

Available Shielded and Unshielded; for indoor (LSZH, PVC version) and outdoor use (HDPE or PVC version);

Standard and Mini outer diameter.

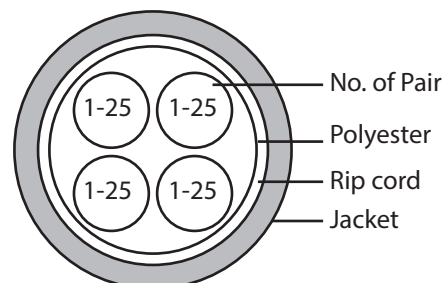
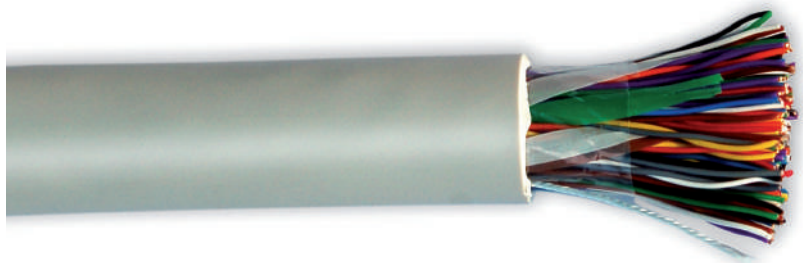
Our Cat5e to Cat7 cables are used in residential and commercial building and also in high performance Data Centres, where high density solutions and increased data range is required.

Our cables meet UL specifications and the new CPR (construction product rules) specification.

U/UTP CAT3 CABLE



LAN CABLE



ITEM NO.

- 3 U/UTP AWG24/25-50-100cp

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.50 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 0.87 ± 0.03 mm

JACKET

THICKNESS

- $0.85/0.90/1.00 \pm 0.05$ mm

EXTERNAL O.D.

- $11.3/15.0/20.2 \pm 0.8$ mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 65%
- Capacitance(nf/100m) ≤ 6.6
- DC Resistance(Ω /100m) ≤ 9.5
- DC Conductor Resistance ≤ 5.0
- Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

- No



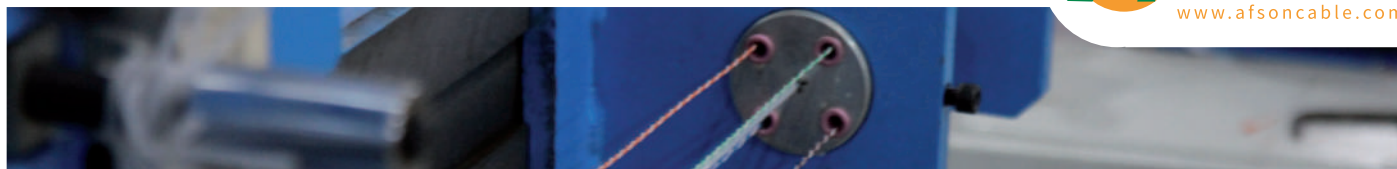
PACKAGING

WOODEN REEL & CARTON



LENGTH

305 ± 1.5 m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	12.0	2.6	41.3	1.0	41.3	39.0	39.0
4.0	12.0	5.6	32.3	4.0	32.3	26.9	26.9
8.0	12.0	8.5	27.8	8.0	27.8	20.9	20.9
10.0	12.0	9.7	26.3	10.0	26.3	19.0	19.0
16.0	9.95	13.1	23.3	16.0	23.3	14.9	14.9

JACKET PHYSICAL PROPERTIES

JACKET

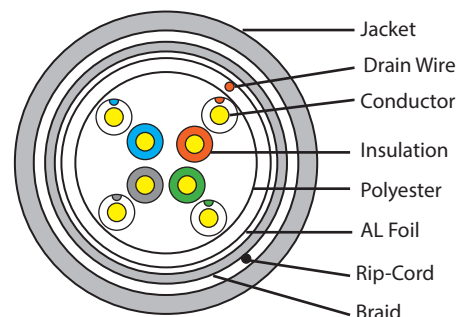
AGING				COLD BEND	
ITEM	Aging Period		100°*24H*7D	COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N	DESCRIPTION
UU3.50.PV(25-50-100cp)	Cat3 U/UTP AWG24 PVC jacket
UU3.50.LS(25-50-100cp)	Cat3 U/UTP AWG24 LSZH jacket
UU3.50PE(25-50-100cp)	Cat3 U/UTP AWG24 PE jacket

SF/UTP CAT5E CABLE



LAN CABLE



ITEM NO.

- 5 Enhanced SF/UTP AWG24

TEST STANDARD

- ISO/IEC 11801 TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.51 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.00 ± 0.03 mm

SHIELD

- AL Foil

BRAID

- TC/Al Wire

JACKET

THICKNESS

- 0.60 ± 0.05 mm

EXTERNAL O.D.

- 6.2 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 69%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced to-ground(pf/100m) ≤ 330
- DC Resistance(Ω /100m) ≤ 9.5
- DC Conductor Resistance Unbalance(%) ≤ 5.0

RIP-CORD

- Yes

DRAIN WIRE

- 0.40TC



PACKAGING

PLASTIC REEL & PULL CARTON



DIMENSION

33*26.5*34cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON



DIMENSION

31*31*29cm

LENGTH

305 $\pm$ 1.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	65.3	63.3	1.0	62.3	63.8	60.8
4.0	23.0	4.1	56.3	52.2	4.0	53.3	51.8	48.8
8.0	24.5	5.8	51.8	46.0	8.0	48.8	45.7	42.7
10.0	25.0	6.5	50.3	43.8	10.0	47.3	43.8	40.8
16.0	25.0	8.2	47.2	39.0	16.0	44.4	39.7	36.7
20.0	25.0	9.3	45.8	36.5	20.0	42.8	37.8	34.8
25.0	24.3	10.4	44.3	33.9	25.0	41.3	35.8	32.8
31.25	23.6	11.7	42.9	31.2	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	21.4	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	13.3	100	32.3	23.8	20.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	Aging Period	100°*24H*7D		COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

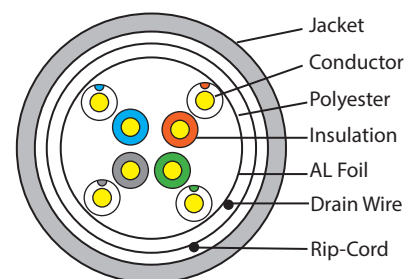
P/N	DESCRIPTION
SFU5.51.PV	Cat5E SF/UTP AWG24 PVC jacket
SFU5.51.LS	Cat5E SF/UTP AWG24 LSZH jacket
SFU5.51.PE	Cat5E SF/UTP AWG24 PE jacket
SFU5.51.PVPE	Cat5E SF/UTP AWG24 PVC+PE jacket

Special Jackets in accordance with customer's requirements

F/UTP CAT5E CABLE



AFSON SOLUTION



ITEM NO.

- 5 Enhanced F/UTP AWG24

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.51 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.09 ± 0.03 mm

SHIELD

Al Foil

JACKET

THICKNESS

- 0.55 ± 0.05 mm

EXTERNAL O.D.

- 6.0 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 69%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced to-ground(pf/100m) ≤ 330
- DC Resistance(Ω /100m) ≤ 9.5
- DC Conductor Resistance Unbalance(%) ≤ 5.0

RIP-CORD

- Yes

DRAIN WIRE

- 0.40TC



PACKAGING

PLASTIC REEL & PULL CARTON



DIMENSION

42*42*21cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON

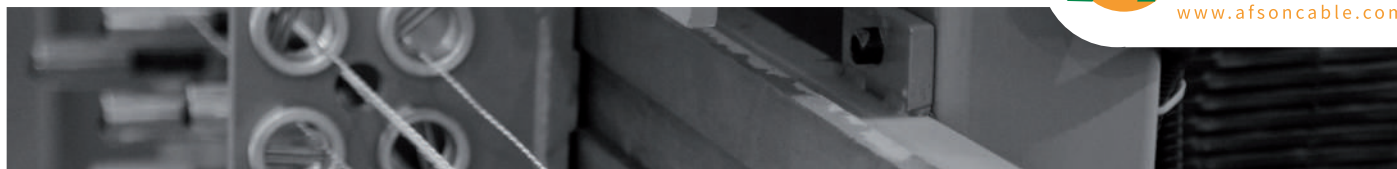


DIMENSION

31*31*29cm

LENGTH

305 $\pm$ 1.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY ≥dB	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	65.3	63.3	1.0	62.3	63.8	60.8
4.0	23.0	4.1	56.3	52.2	4.0	53.3	51.8	48.8
8.0	24.5	5.8	51.8	46.0	8.0	48.8	45.7	42.7
10.0	25.0	6.5	50.3	43.8	10.0	47.3	43.8	40.8
16.0	25.0	8.2	47.2	39.0	16.0	44.4	39.7	36.7
20.0	25.0	9.3	45.8	36.5	20.0	42.8	37.8	34.8
25.0	24.3	10.4	44.3	33.9	25.0	41.3	35.8	32.8
31.25	23.6	11.7	42.9	31.2	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	21.4	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	13.3	100	32.3	23.8	20.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	Aging Period	100°*24H*7D		COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N

DESCRIPTION

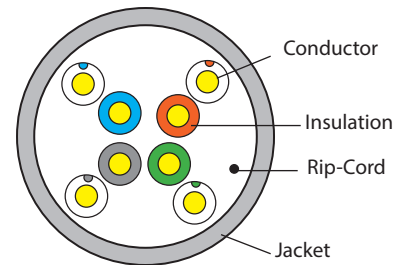
FU5.51.PV	Cat5E F/UTP AWG24 PVC jacket
FU5.51.LS	Cat5E F/UTP AWG24 LSZH jacket
FU5.51PE	Cat5E F/UTP AWG24 PE jacket
FU5.51PVPE	Cat5E F/UTP AWG24 PVC+PE jacket

Special Jackets in accordance with customer's requirements

U/UTP CAT5E CABLE



AFSON SOLUTION



ITEM NO.

- 5 Enhanced U/UTP AWG24

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.50±0.03mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 0.90±0.003

JACKET

THICKNESS

- 0.55±0.05mm

EXTERNAL O.D.

- 5.0±0.3

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100±15
- Delay Shew(ns/100m) ≤45
- NVP 69%
- Capacitance(nf/100m) ≤5.6
- DC Resistance(Ω /100m) ≤9.5
- DC Conductor Resistance ≤5.0
- Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

- No



PACKAGING

PLASTIC REEL & PULL CARTON



DIMENSION

35*35*21cm

LENGTH

305±1.5m

WOODEN REEL & CARTON



DIMENSION

33*33*30cm

LENGTH

500±2.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY ≥dB	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	65.3	63.3	1.0	62.3	63.8	60.8
4.0	23.0	4.1	56.3	52.2	4.0	53.3	51.8	48.8
8.0	24.5	5.8	51.8	46.0	8.0	48.8	45.7	42.7
10.0	25.0	6.5	50.3	43.8	10.0	47.3	43.8	40.8
16.0	25.0	8.2	47.2	39.0	16.0	44.4	39.7	36.7
20.0	25.0	9.3	45.8	36.5	20.0	42.8	37.8	34.8
25.0	24.3	10.4	44.3	33.9	25.0	41.3	35.8	32.8
31.25	23.6	11.7	42.9	31.2	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	21.4	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	13.3	100	32.3	23.8	20.8

JACKET PHYSICAL PROPERTIES

JACKET

		AGING		COLD BEND	
ITEM		Aging Period	100°*24H*7D	COLD PERIOD	-20±2°C*4H
		Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

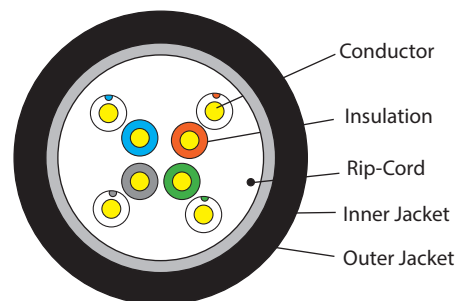
P/N	DESCRIPTION
UU5.50.PV	Cat5E U/UTP AWG24 PVC jacket
UU5.50.LS	Cat5E U/UTP AWG24 LSZH jacket
UU5.50PE	Cat5E U/UTP AWG24 PE jacket
UU5.50PVPE	Cat5E U/UTP AWG24 PVC+PE jacket

Special Jackets in accordance with customer's requirements

U/UTP CAT5E CABLE-PVC+PE



LAN CABLE



CATEGORY

- 5 Enhanced U/UTP AWG24

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.50±0.003mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 0.90±0.03mm

INNER JACKET

THICKNESS

- 0.45±0.05mm

MATERIAL

- PVC

OUTER JACKET

THICKNESS

- 0.50±0.05mm

EXTERNAL O.D.

- 6.0±0.3mm

MATERIAL

- PE

COLOR

- Black

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100±15
- Delay Shew(ns/100m) ≤45
- NVP 69%
- Capacitance(nf/100m) ≤5.6
- DC Resistance(Ω /100m) ≤9.5
- DC Conductor Resistance ≤5.0
- Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

- No



PACKAGING

PLASTIC REEL & PULL CARTON



DIMENSION

33*26.5*34cm

LENGTH

305±1.5m

WOODEN REEL & CARTON



DIMENSION

33*26.5*34cm

LENGTH

305±1.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY ≥dB	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	65.3	63.3	1.0	62.3	63.8	60.8
4.0	23.0	4.1	56.3	52.2	4.0	53.3	51.8	48.8
8.0	24.5	5.8	51.8	46.0	8.0	48.8	45.7	42.7
10.0	25.0	6.5	50.3	43.8	10.0	47.3	43.8	40.8
16.0	25.0	8.2	47.2	39.0	16.0	44.4	39.7	36.7
20.0	25.0	9.3	45.8	36.5	20.0	42.8	37.8	34.8
25.0	24.3	10.4	44.3	33.9	25.0	41.3	35.8	32.8
31.25	23.6	11.7	42.9	31.2	31.25	39.9	33.9	30.9
62.5	21.5	17.0	38.4	21.4	62.5	35.4	27.9	24.9
100	20.1	22.0	35.3	13.3	100	32.3	23.8	20.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	Aging Period		100°*24H*7D	COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

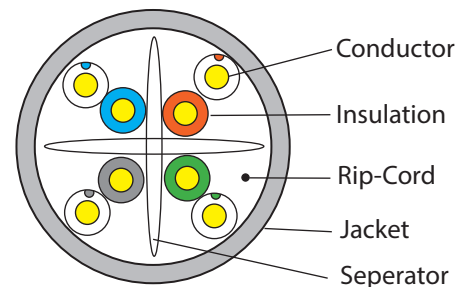
P/N	DESCRIPTION
UU5.50.PV	Cat5E U/UTP AWG24 PVC jacket
UU5.50.LS	Cat5E U/UTP AWG24 LSZH jacket
UU5.50.PE	Cat5E U/UTP AWG24 PE jacket
UU5.50.PVPE	Cat5E U/UTP AWG24 PVC+PE jacket

Special Jackets in accordance with customer's requirements

U/UTP CAT6 CABLE



LAN CABLE



ITEM NO.

- 6 U/UTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.55±0.003mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.00±0.03mm

JACKET

THICKNESS

- 0.55±0.05mm

EXTERNAL O.D.

- 6.0±0.3mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100±15
- Delay Shew(ns/100m) ≤45
- NVP 69%
- Capacitance(nf/100m) ≤5.6
- Capacitance unbalanced to-ground(pf/100m) ≤330
- DC Resistance(Ω /100m) ≤9.5
- DC Conductor Resistance Unbalance(%) ≤5.0

RIP-CORD

- Yes

DRAIN WIRE

- No



PACKAGING

PULL CARTON



DIMENSION

42*42*21cm

LENGTH

305±1.5m

PLASTIC REEL & PULL CARTON



DIMENSION

33*26.5*34cm

LENGTH

305±1.5m

WOODEN REEL & CARTON

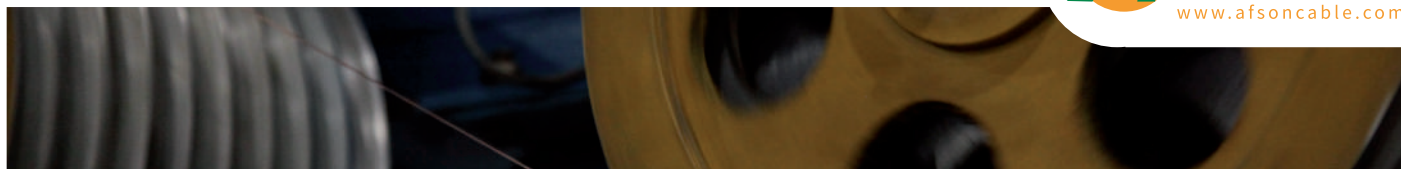


DIMENSION

31*31*27cm

LENGTH

305±1.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	74.3	72.3	1.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	61.5	4.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	55.5	8.0	58.8	49.7	46.7
10.0	25.0	6.0	59.3	53.3	10.0	57.3	47.8	44.8
16.0	25.0	7.6	56.2	48.6	16.0	54.2	43.7	40.7
20.0	25.0	8.5	54.8	46.3	20.0	52.8	41.8	38.8
25.0	24.3	9.5	53.3	43.8	25.0	41.3	39.8	36.8
31.25	23.6	10.7	51.9	41.2	31.25	49.9	37.9	34.9
62.5	21.5	15.4	47.4	32.0	62.5	45.4	31.9	28.9
100	20.1	19.8	44.3	24.5	100	42.3	27.8	24.8
200	18.0	29.0	39.8	10.8	200	37.8	21.8	18.8
250	17.3	32.8	38.3	5.5	250	36.3	19.8	16.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	Aging Period		100°*24H*7D	COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N

DESCRIPTION

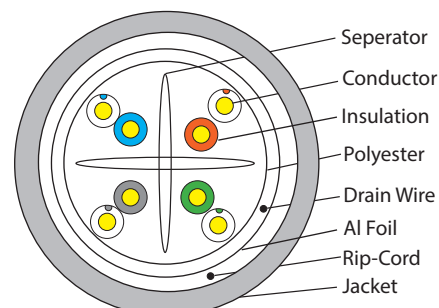
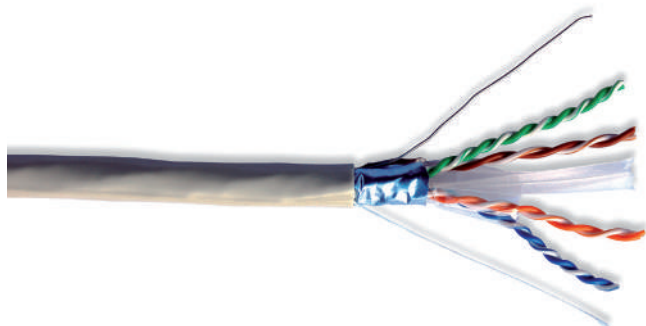
UU6.55.PV	Cat6 U/UTP AWG23 PVC jacket
UU6.55PE	Cat6 U/UTP AWG23 LSZH jacket
UU6.55.LS	Cat6 U/UTP AWG23 PE jacket
UU6.55.PVPE	Cat6 U/UTP AWG23 PVC+PE jacket

Special Jackets in accordance with customer's requirements

F/UTP CAT6 CABLE



LAN CABLE



ITEM NO.

- 6 F/UTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.57 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.09 ± 0.03 mm

SHIELD

- Al Foil

JACKET

THICKNESS

- 0.60 ± 0.05 mm

EXTERNAL O.D.

- 7.3 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 74%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced to-ground(pf/100m) ≤ 330
- DC Resistance(Ω /100m) ≤ 9.38
- DC Conductor Resistance Unbalance(%) ≤ 5.0

RIP-CORD

- Yes

DRAIN WIRE

- 0.40TC



PACKAGING

PLASTIC REEL & PULL CARTON



DIMENSION

38.5*31*38.5cm

LENGTH

305 $\pm$ 1.5m

WOODEN REEL & CARTON

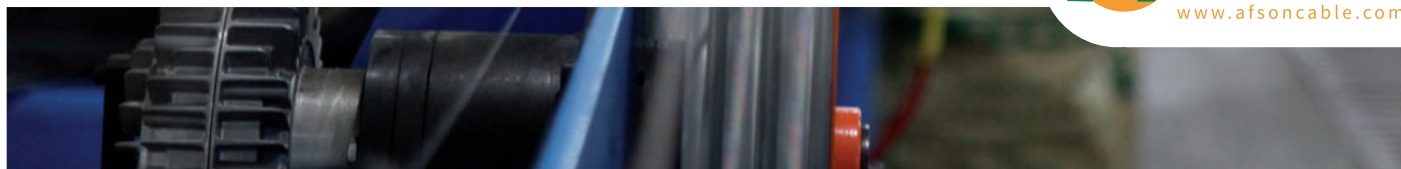


DIMENSION

36*36*33cm

LENGTH

305 $\pm$ 1.5m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20°) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	74.3	72.3	1.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	61.5	4.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	55.5	8.0	58.8	49.7	46.7
10.0	25.0	6.0	59.3	53.3	10.0	57.3	47.8	44.8
16.0	25.0	7.6	56.2	48.6	16.0	54.2	43.7	40.7
20.0	25.0	8.5	54.8	46.3	20.0	52.8	41.8	38.8
25.0	24.3	9.5	53.3	43.8	25.0	51.3	39.8	36.8
31.25	23.6	10.7	51.9	41.2	31.25	49.9	37.9	34.9
62.5	21.5	15.4	47.4	32.0	62.5	45.4	31.9	28.9
100	20.1	19.8	44.3	24.5	100	42.3	27.8	24.8
200	18.0	29.0	39.8	10.8	200	37.8	21.8	18.8
250	17.3	32.8	38.3	5.5	250	36.3	19.8	16.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	Aging Period		100°*24H*7D	COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N

DESCRIPTION

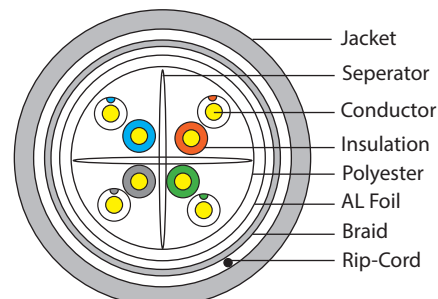
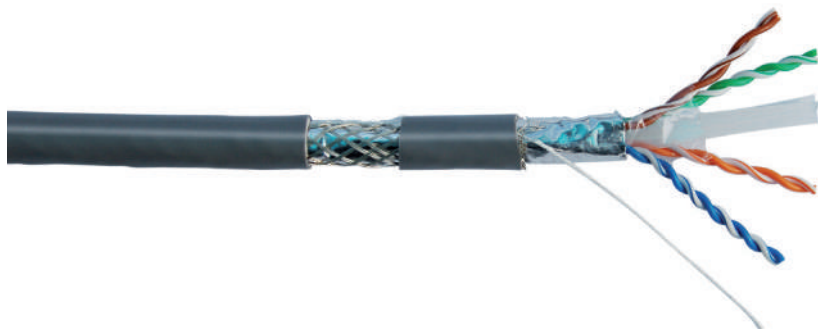
FU6.57.PV	Cat6 F/UTP AWG23 PVC jacket
FU6.57.LS	Cat6 F/UTP AWG23 LSZH jacket
FU6.57PE	Cat6 F/UTP AWG23 PE jacket
FU6.57PVPE	Cat6 F/UTP AWG23 PVC+PE jacket

Special Jackets in accordance with customer's requirements

SF/UTP CAT6 CABLE



LAN CABLE



ITEM NO.

- 6 SF/UTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.57 ± 0.003 mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.09 ± 0.03 mm

SHIELD

Al Foil

BRAID

- TC/Al Wire

JACKET

THICKNESS

- 0.60 ± 0.05 mm

EXTERNAL O.D.

- 7.5 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 69%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced to-ground(pf/100m) ≤ 330
- DC Resistance(Ω /100m) ≤ 9.38
- DC Conductor Resistance Unbalance(%) ≤ 5.0

RIP-CORD

- Yes

DRAIN WIRE

- No



PACKAGING

PLASTIC REEL & PULL CARTON



DIMENSION

$38.5 \times 31 \times 38.5$ cm

LENGTH

305 ± 1.5 m

WOODEN REEL & CARTON



DIMENSION

$36 \times 36 \times 33$ cm

LENGTH

305 ± 1.5 m



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20) ≤dB	NEXT ≥dB	ACR ≥dB	FREQUENCY (MHz)	PSNEXT ≥dB	ELFEXT ≥dB	PSELFEXT ≥dB
1.0	20.0	2.0	74.3	72.3	1.0	72.3	67.8	64.8
4.0	23.0	3.8	65.3	61.5	4.0	63.3	55.8	52.8
8.0	24.5	5.3	60.8	55.5	8.0	58.8	49.7	46.7
10.0	25.0	6.0	59.3	53.3	10.0	57.3	47.8	44.8
16.0	25.0	7.6	56.2	48.6	16.0	54.2	43.7	40.7
20.0	25.0	8.5	54.8	46.3	20.0	52.8	41.8	38.8
25.0	24.3	9.5	53.3	43.8	25.0	51.3	39.8	36.8
31.25	23.6	10.7	51.9	41.2	31.25	49.9	37.9	34.9
62.5	21.5	15.4	47.4	32.0	62.5	45.4	31.9	28.9
100	20.1	19.8	44.3	24.5	100	42.3	27.8	24.8
200	18.0	29.0	39.8	10.8	200	37.8	21.8	18.8
250	17.3	32.8	38.3	5.5	250	36.3	19.8	16.8

JACKET PHYSICAL PROPERTIES

JACKET

AGING			COLD BEND	
ITEM	Aging Period	100°*24H*7D	COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	No Visible Cracks	
	Elongation	≥150 %		
LSZH	Tensile Strength	≥10.0 Mpa	No Visible Cracks	
	Elongation	≥125%		
PE	Tensile Strength	≥10.0 Mpa	No Visible Cracks	
	Elongation	≥350 %		

P/N

DESCRIPTION

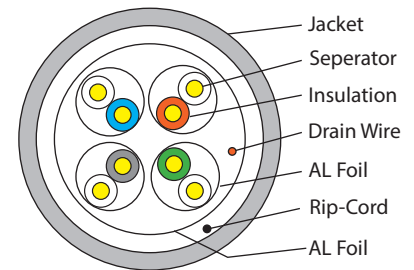
SFU6.57.PV	Cat6 SF/UTP AWG23 PVC jacket
SFU6.57.LS	Cat6 SF/UTP AWG23 LSZH jacket
SFU6.57.PE	Cat6 SF/UTP AWG23 PE jacket

Special Jackets in accordance with customer's requirements

F/FTP CAT6A CABLE



LAN CABLE



ITEM NO.

- 6A F/FTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.56 ± 0.003 mm

INSULATION

MATERIAL

- Skin-foam-Skin PE

NOM.O.D.

- 1.35 ± 0.05 mm

SHIELD

- Al Foil

JACKET

THICKNESS

- 0.55 ± 0.05 mm

EXTERNAL O.D.

- 7.5 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 74%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced to-ground(pf/100m) ≤ 330
- DC Resistance(Ω /100m) ≤ 9.38
- DC Conductor Resistance Unbalance(%) ≤ 2.0

RIP-CORD

- Yes

DRAIN WIRE

0.40TC



PACKAGING

PLASTIC REEL & PULL CARTON



DIMENSION

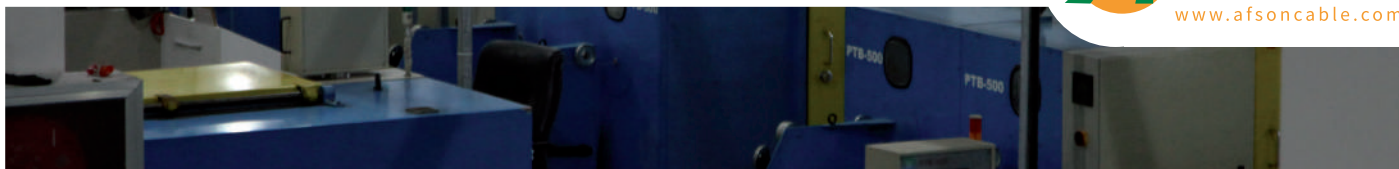
$38.5 \times 31 \times 38.5$ cm

LENGTH

305 ± 1.5 m

WOODEN REEL & CARTON





TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20) ≤dB	NEXT ≥dB	PSNET ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10.0	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.7	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.8	24.8	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	37.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	Aging Period		100°*24H*7D	COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N

DESCRIPTION

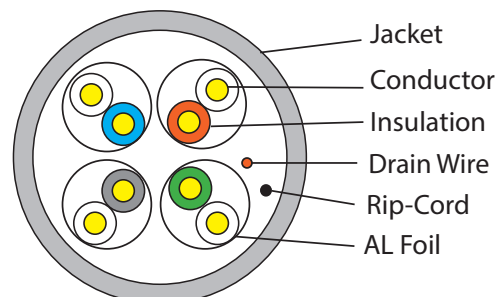
FF6A.56.PV	Cat6A F/FTP AWG23 PVC jacket
FF6A.56.LS	Cat6A F/FTP AWG23 LSZH jacket
FF6A.56PE	Cat6A F/FTP AWG23 PE jacket
FF6A.56PVPE	Cat6A F/FTP AWG23 PVC+PE jacket

Special Jackets in accordance with customer's requirements

U/FTP CAT6A CABLE



LAN CABLE



ITEM NO.

- 6A U/FTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.56 ± 0.005 mm

INSULATION

MATERIAL

- Skin-foam-Skin PE

NOM.O.D.

- 1.06 ± 0.05 mm

SHIELD

- Al Foil

JACKET

THICKNESS

- 0.55 ± 0.05 mm

EXTERNAL O.D.

- 7.5 ± 0.3 mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100 ± 15
- Delay Shew(ns/100m) ≤ 45
- NVP 74%
- Capacitance(nf/100m) ≤ 5.6
- Capacitance unbalanced to-ground(pf/100m) ≤ 330
- DC Resistance(Ω /100m) ≤ 9.38
- DC Conductor Resistance Unbalance(%) ≤ 2.0

RIP-CORD

- Yes

DRAIN WIRE

0.40TC



PACKAGING

WOODEN REEL & CARTON



DIMENSION

$35 \times 35 \times 36$ cm

LENGTH

305 ± 1.5 m

WOODEN REEL & CARTON



TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20) ≤dB	NEXT ≥dB	PSNET ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10.0	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.7	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.8	24.8	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	37.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	Aging Period		100°*24H*7D	COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N

DESCRIPTION

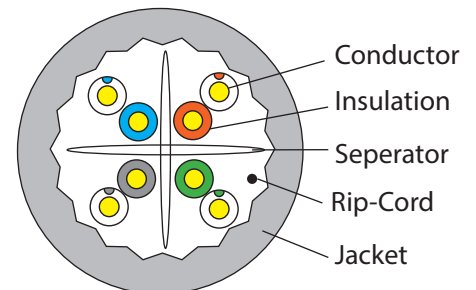
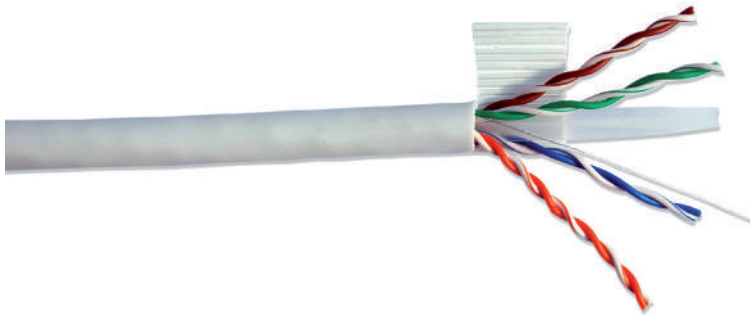
UF6A.56.PV	Cat6A U/FTP AWG23 PVC jacket
UF6A.56.LS	Cat6A U/FTP AWG23 LSZH jacket
UF6A.56PE	Cat6A U/FTP AWG23 PE jacket
UF6A.56PVPE	Cat6A U/FTP AWG23 PVC+PE jacket

Special Jackets in accordance with customer's requirements

U/UTP CAT6A CABLE



LAN CABLE



ITEM NO.

- 6A U/UTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.575±0.003mm

INSULATION

MATERIAL

- HDPE

NOM.O.D.

- 1.05±0.03mm

JACKET THICKNESS

- 0.70±0.05mm

EXTERNAL O.D.

- 7.5±0.3mm

MATERIAL

- PVC
- LSZH
- PE

COLOR

- As required

ELECTRICAL CHARACTERISTICS (20)

- Impedance(Ω) 100±15
- Delay Shew(ns/100m) ≤45
- NVP 69%
- Capacitance(nf/100m) ≤5.6
- DC Resistance(Ω /100m) ≤9.5
- DC Conductor Resistance ≤5.0
- Unbalance(%)

RIP-CORD

- Yes

DRAIN WIRE

No



PACKAGING

WOODEN REEL & CARTON



DIMENSION

35*35*36cm

LENGTH

305±1.5m

WOODEN REEL & CARTON





TECHNICAL PERFORMANCE(100M):

FREQUENCY (MHz)	RL ≥dB	ATT(20) ≤dB	NEXT ≥dB	PSNET ≥dB	ACR-F ≥dB	PS ACR-F ≥dB	PS ANEXT ≥dB	PS AACR-F ≥dB
1.0	20.0	2.1	74.3	72.3	67.8	64.8	67.0	67.0
4.0	23.0	3.8	65.3	63.3	55.8	52.8	67.0	66.2
10.0	25.0	5.9	59.3	57.3	47.8	44.8	67.0	58.2
16.0	25.0	7.5	56.2	54.2	43.7	40.7	67.0	54.1
20.0	25.0	8.4	54.8	52.8	41.8	38.8	67.0	52.2
31.25	23.6	10.5	51.9	49.9	37.9	34.9	67.0	48.3
62.5	21.5	15.0	47.7	45.4	31.9	28.9	65.6	42.3
100	20.1	19.1	44.3	42.3	27.8	24.8	62.5	38.2
200	18.0	27.6	39.8	37.8	21.8	18.8	58.0	32.2
250	17.3	31.1	38.3	36.3	19.8	16.8	56.5	30.2
300	16.8	34.3	37.1	35.1	18.3	15.3	55.3	28.7
500	15.2	45.3	33.8	31.8	13.8	10.8	52.0	24.2

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	Aging Period		100°*24H*7D	COLD PERIOD	-20±2°C*4H
	Before Aging	After Aging		Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

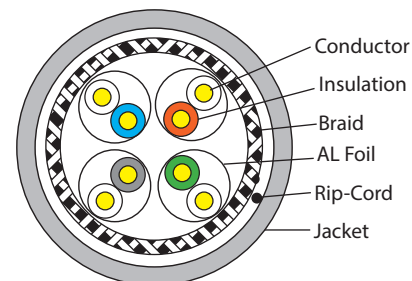
P/N	DESCRIPTION
UU6A.57.PV	Cat6A U/UTP AWG23 PVC jacket
UU6A.57.LS	Cat6A U/UTP AWG23 LSZH jacket
UU6A.57PE	Cat6A U/UTP AWG23 PE jacket
UU6A.57PVPE	Cat6A U/UTP AWG23 PVC+PE jacket

Special Jackets in accordance with customer's requirements

S/FTP CAT7 CABLE



LAN CABLE



ITEM NO.

- 7 SF/UTP AWG23

TEST STANDARD

- ISO/IEC 11801, TIA/EIA 568C.2

CONDUCTOR

MATERIAL

- Solid Bare Copper

NOM.O.D.

- 0.56 ± 0.003 mm

INSULATION

MATERIAL

- Skin-foam-Skin PE

NOM.O.D.

- 1.35 ± 0.05 mm

SHIELD

- Al Foil

BRAID

- TC/Al Wire

JACKET

THICKNESS

- 0.60 ± 0.05 mm

EXTERNAL O.D.

- 7.5 ± 0.3 mm

MATERIAL

- PVC • LSZH • PE

COLOR

- According to Requires

RIP-CORD

- Yes

DRAIN WIRE

- No

ELECTRICAL CHARACTERISTICS (20)

IMPEDANCE(Ω)

100±15	100±15
100-250MHz	100±18
250-600MHz	100±25
• Delay Shew(ns/100m)	≤25
• NVP	74%
• Capacitance(nf/100m)	≤5.6
• Capacitance unbalanced to-ground(pf/100m)	≤330
• DC Resistance(Ω/100m)	≤9.5
• DC Conductor Resistance Unbalance(%)	≤2.0



PACKAGING

WOODEN REEL & CARTON



DIMENSION

37*37*36cm

LENGTH

305±1.5m

WOODEN REEL & CARTON





TECHNICAL PERFORMANCE(100M):

FREQUENCY	RL	ATT(20)	NEXT	ACR	FREQUENCY	ACR	ACR-F	PS ACR-F
(MHz)	≥dB	≤dB	≥dB	≥dB	(MHz)	≥dB	≥dB	≥dB
1.0	20.0	2.0	78.0	75.0	1.0	76.0	78.0	75.0
4.0	23.0	3.7	78.0	75.0	4.0	74.3	78.0	75.0
10.0	25.0	5.9	78.0	75.0	10.0	72.1	74.0	71.0
16.0	25.0	7.4	78.0	75.0	16.0	70.6	69.9	66.9
20.0	25.0	8.3	78.0	75.0	20.0	69.7	68.0	65.0
31.25	23.6	10.4	78.0	75.0	31.25	67.6	64.1	61.1
62.5	21.5	14.9	75.5	72.5	62.5	60.6	58.1	55.1
100	20.1	19.0	72.4	69.4	100	53.4	54.0	51.0
200	18.0	27.5	67.9	64.9	200	46.2	50.2	45.0
250	17.3	31.0	66.4	63.4	250	40.4	46.0	43.0
300	17.3	34.2	65.2	62.2	300	31.0	44.5	41.5
600	17.3	50.1	60.7	57.7	600	10.6	38.4	35.4

JACKET PHYSICAL PROPERTIES

JACKET

AGING				COLD BEND	
ITEM	Aging Period		100°*24H*7D	COLD PERIOD	-20±2°C*4H
	Before Aging		After Aging	Bend Radius	8*Cable O.D.
PVC	Tensile Strength	≥13.5 Mpa	≥12.5 Mpa	No Visible Cracks	
	Elongation	≥150 %	≥125 %		
LSZH	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥125%	≥100%		
PE	Tensile Strength	≥10.0 Mpa	≥8.0 Mpa	No Visible Cracks	
	Elongation	≥350 %	≥350 %		

P/N

DESCRIPTION

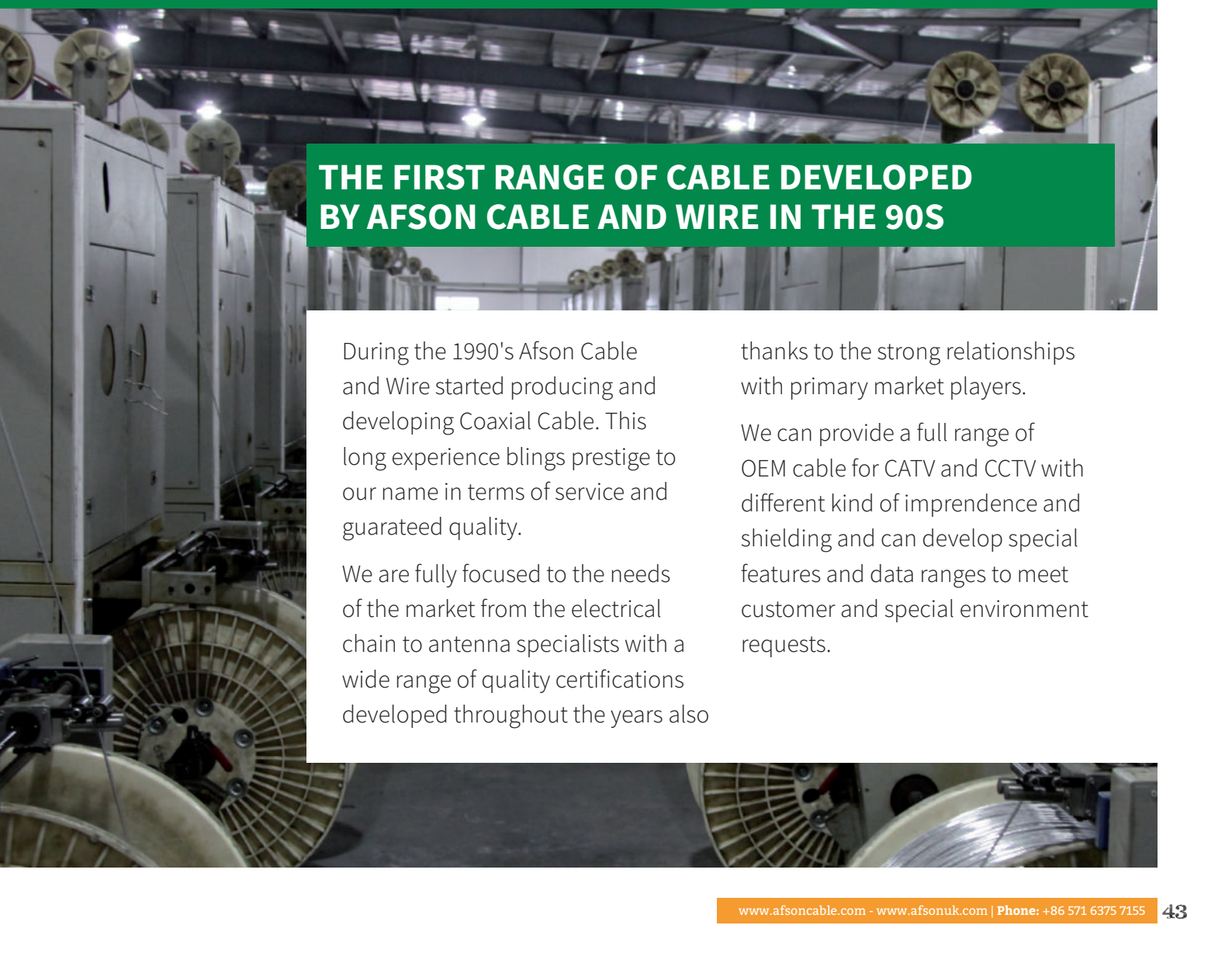
SFU7.57.PV	Cat7 S/FTP AWG23 PVC jacket
SFU7.57.LS	Cat7 S/FTP AWG23 LSZH jacket
SFU7.57.PE	Cat7 S/FTP AWG23 PE jacket

Special Jackets in accordance with customer's requirements



All are products are supplied with individual test certificate and packaging can be customised to specific requirements.

AFSON COAXIAL CABLE



THE FIRST RANGE OF CABLE DEVELOPED BY AFSON CABLE AND WIRE IN THE 90S

During the 1990's Afson Cable and Wire started producing and developing Coaxial Cable. This long experience blings prestige to our name in terms of service and guaranteed quality.

We are fully focused to the needs of the market from the electrical chain to antenna specialists with a wide range of quality certifications developed throughout the years also

thanks to the strong relationships with primary market players.

We can provide a full range of OEM cable for CATV and CCTV with different kind of impedance and shielding and can develop special features and data ranges to meet customer and special environment requests.

2RG6+ 2CAT5E



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		2*RG6	2*CAT5E
CONDUCTOR	Material	CCS/BC	BC
	Dia. (mm)	1.02±0.01	0.50±0.01
DIELECTRIC	Material	Foam PE	HDPE
	Dia. (mm)	4.57±0.10	0.90±0.03
SHIELDING	Material	(Al Foil + Al Braid)*2	No
	Coverage	95%	No
INNER JACKET	Material	PVC	PVC
	Dia. (mm)	7.54±0.10	5.0±0.10
OUTER JACKET	Material	PVC	
	Thickness(mm)	0.80±0.10	

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3	100±15
VELOCITY OF PROPAGATION	83%	69%
CAPACITANCE(PF/M)	53.1	5.6

NOMINAL ATTENUATION [@ 68° F. (20° C)]

RG6		CAT5E	
FREQUENCY(MHZ)	ATTENUATION (DB/100M)	FREQUENCY(MHZ)	ATTENUATION (DB/100M)
5	2.20	1.0	2.0
55	5.25	4.0	4.1
211	9.42	10.0	6.5
300	11.25	20.0	9.3
400	13.12	25.0	10.4
550	15.45	31.25	11.7
750	18.34	62.5	17.0
1000	21.46	100	20.1

3C2V CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		3C-2V
CONDUCTOR	Material	BC
	Dia. (mm)	0.50±0.01
DIELECTRIC	Material	Solid PE
	Dia. (mm)	2.90±0.10
SHIELD	Material	(BC Braid)
	Coverage	40%-95%
JACKET	Material	PVC
	Dia. (mm)	5.00±0.10

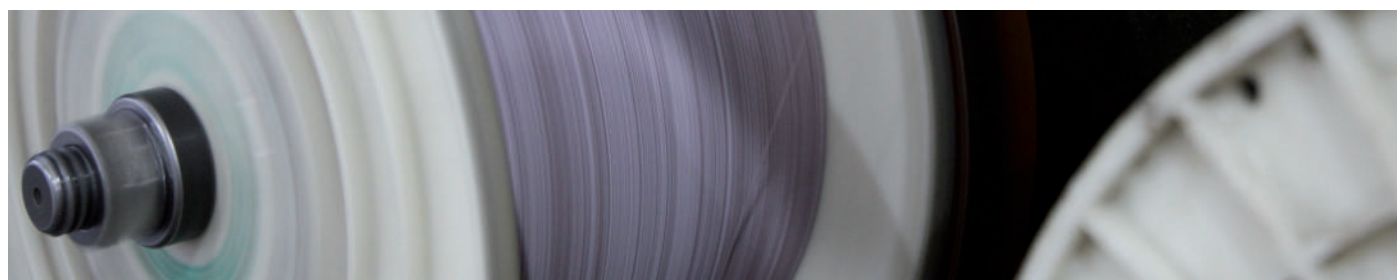
ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	1.3
10	4.3
30	7.5
200	20.0

We Can Offer Same As Per Customer's Requirement For Option! Mainly We Can Offer Wooden Drum, Plastic Drum, Pallet For Choice. Any Other Packing Requirement Can Be Acceptable.



2RG6+ 2CAT5E



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		5C-2V
CONDUCTOR	Material	BC
	Dia. (mm)	1.00±0.01
DIELECTRIC	Material	Solid PE
	Dia. (mm)	4.80±0.10
SHIELD	Material	BC Braid
	Coverage	40%-95%
JACKET	Material	PVC
	Dia. (mm)	6.65±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	0.8
10	2.7
30	4.7
200	12.6



17VATC CLASS A CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		17VATC CLASS A
CONDUCTOR	Material	CCS/BC
	Dia. (mm)	1.13±0.01
DIELECTRIC	Material	Foam PE
	Dia. (mm)	4.85±0.10
SHIELD	Material	Al Foil + Al Braid+ Al Foil
	Coverage	40%-95%
JACKET	Material	PVC/PE
	Dia. (mm)	7.06±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
5	1.5
50	4.3
100	5.9
200	8.4
400	12.0
800	17.5
862	18.3
950	19.2
1350	23.3
1750	27.0
2150	30.6
3000	36.8

17VATC CABLE



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		17VATC
CONDUCTOR	Material	CCS/BC
	Dia. (mm)	1.13±0.01
DIELECTRIC	Material	Foam PE
	Dia. (mm)	4.85±0.10
SHIELD	Material	Al Foil + Al Braid
	Coverage	40%-95%
JACKET	Material	PVC/PE
	Dia. (mm)	6.80±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
5	1.5
50	4.3
100	5.9
200	8.4
400	12.0
800	17.5
862	18.3
950	19.2
1350	23.3
1750	27.0
2150	30.6
3000	36.8

19VATC CLASS A CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		19VATC CLASS A
CONDUCTOR	Material	CCS/BC
	Dia. (mm)	1.02±0.01
DIELECTRIC	Material	Foam PE
	Dia. (mm)	4.65±0.10
SHIELD	Material	Al Foil + Al Braid+ Al Foil
	Coverage	40%-95%
JACKET	Material	PVC/PE
	Dia. (mm)	7.06±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.1
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
5	1.8
50	4.6
100	7.1
200	9.0
400	13.0
800	19.0
862	19.8
950	20.9
1350	25.5
1750	29.60
2150	33.4
3000	40.6

19VATC CABLE



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		19VATC
CONDUCTOR	Material	CCS/BC
	Dia. (mm)	1.02±0.01
DIELECTRIC	Material	Foam PE
	Dia. (mm)	4.65±0.10
SHIELD	Material	Al Foil + Al Braid
	Coverage	40%-95%
JACKET	Material	PVC/PE
	Dia. (mm)	6.80±0.10

ELECTRICAL CHARACTERISTICS

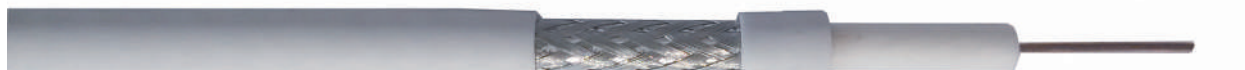
IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.1
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
5	1.8
50	4.6
100	7.1
200	9.0
400	13.0
800	19.0
862	19.8
950	20.9
1350	25.5
1750	29.60
2150	33.4
3000	40.6

21VATC CLASS A CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		21VATC CLASS A
CONDUCTOR	Material	CCS/BC
	Dia. (mm)	0.80±0.01
DIELECTRIC	Material	Foam PE
	Dia. (mm)	3.50±0.10
SHIELD	Material	Foam PE
	Coverage	3.50±0.10
JACKET	Material	PVC/PE
	Dia. (mm)	5.50±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.1
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	3.0
50	5.9
100	8.0
200	12.3
400	16.5
800	23.0
862	23.3
1000	26.8
1350	31.5
1750	36.2
2150	40.4
2400	42.5
2700	45.2

21VATC CABLE



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		21VATC
CONDUCTOR	Material	CCS/BC
	Dia. (mm)	0.80±0.01
DIELECTRIC	Material	Foam PE
	Dia. (mm)	3.50±0.10
SHIELD	Material	Al Foil + Al Braid
	Coverage	40%-95%
JACKET	Material	PVC/PE
	Dia. (mm)	5.10±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.1
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	3.0
50	5.9
100	8.0
200	12.3
400	16.5
800	23.0
862	23.3
1000	26.8
1350	31.5
1750	36.2
2150	40.4
2400	42.5
2700	45.2

412 CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		21VATC
CONDUCTOR	Material	CCS/BC
	Dia. (mm)	0.80±0.01
DIELECTRIC	Material	Foam PE
	Dia. (mm)	3.50±0.10
SHIELD	Material	Al Foil + Al Braid
	Coverage	40%-95%
JACKET	Material	PVC/PE
	Dia. (mm)	5.10±0.10
MESSENGER	Material	Galvanized Steel
	Dia. (mm)	2.77±0.01

MECHANICAL CHARACTERISTICS

MINIMUM BREAKING STRENGTH OF MESSENGER	816kgf
--	--------

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±2
VELOCITY OF PROPAGATION	87%
CAPACITANCE(PF/M)	50
SHIELDING EFFECTIVENESS(≥DB)	100

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
55	2.10
211	4.43
300	5.35
400	6.24
500	7.06
600	7.75
750	8.70
865	9.32
1000	10.01

500 CABLE



PHYSICAL DIMENSIONS

COMPONENT		500
CONDUCTOR	Material	CCA
	Dia. (mm)	2.77±0.02
DIELECTRIC	Material	Foam PE
	Dia. (mm)	11.50±0.15
SHIELD	Material	Al Tube
	Coverage	12.20±0.10
JACKET	Material	PE
	Dia. (mm)	14.50±0.20
MESSENGER	Material	Galvanized Steel
	Dia. (mm)	2.77±0.01

MECHANICAL CHARACTERISTICS

MINIMUM BREAKING STRENGTH OF MESSENGER	816kgf
--	--------

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±2
VELOCITY OF PROPAGATION	87%
CAPACITANCE(PF/M)	50
SHIELDING EFFECTIVENESS(≥DB)	100

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
55	1.77
211	3.58
300	4.07
400	5.02
500	5.67
600	6.27
750	7.09
865	7.68
1000	8.27

500M CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		500M
CONDUCTOR	Material	CCA
	Dia. (mm)	2.77±0.03
DIELECTRIC	Material	Foam PE
	Dia. (mm)	11.43±0.30
SHIELD	Material	Al Tube
	Coverage	12.70±0.10
JACKET	Material	PE
	Dia. (mm)	14.70±0.20
MESSENGER	Material	Galvanized Steel
	Dia. (mm)	2.77±0.01

MECHANICAL CHARACTERISTICS

MINIMUM BREAKING STRENGTH OF MESSENGER	816kgf
--	--------

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±2
VELOCITY OF PROPAGATION	87%
CAPACITANCE(PF/M)	50
SHIELDING EFFECTIVENESS($\geq$ DB)	100

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
5	0.52
55	1.77
211	3.58
300	4.30
400	5.02
500	5.67
600	6.27
750	7.09
865	7.68
1000	8.27

540 CABLE



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		540
CONDUCTOR	Material	CCA
	Dia. (mm)	3.15±0.03
DIELECTRIC	Material	Foam PE
	Dia. (mm)	13.03±0.30
SHIELD	Material	Al Tube
	Coverage	13.72±0.20
JACKET	Material	PE
	Dia. (mm)	15.50±0.20

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±2
VELOCITY OF PROPAGATION	87%
CAPACITANCE(PF/M)	50
SHIELDING EFFECTIVENESS(≥DB)	100

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
5	0.46
55	1.54
211	3.12
300	3.71
400	4.33
500	4.89
600	5.38
750	6.07
865	6.56
1000	7.12

CT100 CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

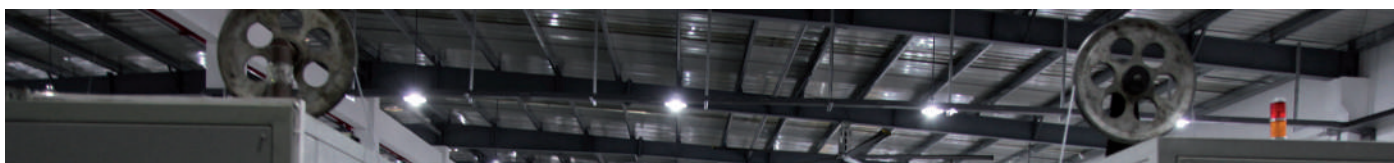
COMPONENT		CT100
CONDUCTOR	Material	BC
	Dia. (mm)	1.00±0.01
DIELECTRIC	Material	Foam PE
	Dia. (mm)	4.60±0.10
SHIELD	Material	Cu/Al Foil + BC Braid
	Coverage	40%-95%
JACKET	Material	PVC
	Dia. (mm)	6.65±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	50±3
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	1.7
50	4.5
100	5.3
200	8.6
400	12.3
700	17.1
900	19.0
1000	20.1



CT125 CABLE



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		CT125
CONDUCTOR	Material	BC
	Dia. (mm)	1.25±0.01
DIELECTRIC	Material	Foam PE
	Dia. (mm)	5.50±0.10
SHIELD	Material	Cu/Al Foil + BC Braid
	Coverage	40%-95%
JACKET	Material	PVC
	Dia. (mm)	7.8±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	50±3
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	1.2
50	3.2
100	5.4
200	6.5
400	10.1
700	14.3
900	15.4
1000	16.4

KX6 CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		KX6
CONDUCTOR	Material	BC/TC
	Dia. (mm)	7x0.20±0.005
DIELECTRIC	Material	Solid PE
	Dia. (mm)	3.70±0.05
SHIELD	Material	BC/CCA Braid
	Coverage	95%
JACKET	Material	PVC
	Dia. (mm)	6.10±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	67.3

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	4.5
50	9.5
100	13.5
200	18.5
300	23.0
400	27.0
500	31.0
750	39.0
1000	45.3

KX6 with Power Cable



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		KX6+POWER
CONDUCTOR	Material	BC/TC
	Dia. (mm)	7x0.20±0.005
DIELECTRIC	Material	Solid PE
	Dia. (mm)	3.70±0.05
SHIELD	Material	BC/CCA Braid
	Coverage	95%
JACKET	Material	PVC
	Dia. (mm)	6.10±0.10
POWER PAIR	Material	BC
	Dia. (mm)	16/24x0.2

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	67.3

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	3.9
50	9.5
100	15.0
200	21.0
400	32.0
700	44.0
900	52.0
1000	55.0



KX8 CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		KX8 CABLE
CONDUCTOR	Material	BC/TC
	Dia. (mm)	7x0.40±0.005
DIELECTRIC	Material	Solid PE
	Dia. (mm)	7.24±0.10
SHIELD	Material	BC/CCA Braid
	Coverage	95%
JACKET	Material	PVC
	Dia. (mm)	10.30±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	67.3

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	2.3
50	4.3
100	6.6
200	9.5
400	13.8
700	19.0
900	22.3
1000	23.3



RG6 +CAT5E



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG6	CAT5E
CONDUCTOR	Material	CCS/BC	BC
	Dia. (mm)	1.02±0.01	0.50±0.01
DIELECTRIC	Material	Foam PE	HDPE
	Dia. (mm)	4.57±0.10	0.90±0.03
SHIELDING	Material	Al Foil + Al Braid	No
	Coverage	95%	No
JACKET	Material	PVC	PVC
	Dia. (mm)	6.8±0.10	5.0±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3	100±15
VELOCITY OF PROPAGATION	83%	69%
CAPACITANCE(PF/M)	53.1	5.6

NOMINAL ATTENUATION [@ 68° F. (20° C)]

RG6		CAT5E	
FREQUENCY(MHZ)	ATTENUATION (DB/100M)	FREQUENCY(MHZ)	ATTENUATION (DB/100M)
5	2.20	1.0	2.0
55	5.25	4.0	4.1
211	9.42	10.0	6.5
300	11.25	20.0	9.3
400	13.12	25.0	10.4
550	15.45	31.25	11.7
750	18.34	62.5	17.0
1000	21.46	100	20.1

RG6 CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		STANDARD SHIELD	TRI-SHIELD	QUAD-SHIELD
CONDUCTOR	Material	CCS/BC	CCS/BC	CCS/BC
	Dia.(mm)	1.02±0.01	1.02±0.01	1.02±0.01
DIELECTRIC	Material	Foam PE	Foam PE	Foam PE
	Dia. (mm)	4.57±0.10	4.57±0.10	4.57±0.10
SHIELD	Material	Al Foil + Al Braid	Al Foil + Al Braid + Al Foil	(Al Foil + Al Braid)*2
	Coverage	40%-95%	40%-95%	40%-95%
JACKET	Material	PVC/PE	PVC/PE	PVC/PE
	Dia. (mm)	6.90±0.10	7.06±0.10	7.54±0.10
MESSENGER	Material	Galvanized Steel	Galvanized Steel	Galvanized Steel
	Dia.(mm)	1.30±0.01	1.30±0.01	1.30±0.01
		1.83±0.01	1.83±0.01	1.83±0.01

MECHANICAL CHARACTERISTICS

MINIMUM BREAKING STRENGTH OF MESSENGER	1.30mm	100±15
	1.83mm	166kgf

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	52±3
STRUCTURAL RETURN LOSS(≥DB)	20

ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	MAXIMUM(DB/100M)
5	2.20
55	5.25
211	9.42
300	11.25
400	13.12
550	15.45
750	18.34
1000	21.46
1450	26.20
1800	28.90
2250	32.80
3000	39.00

RG6+ Power CABLE



COAXIAL CABLE



PHYSICAL DIMENSIONS

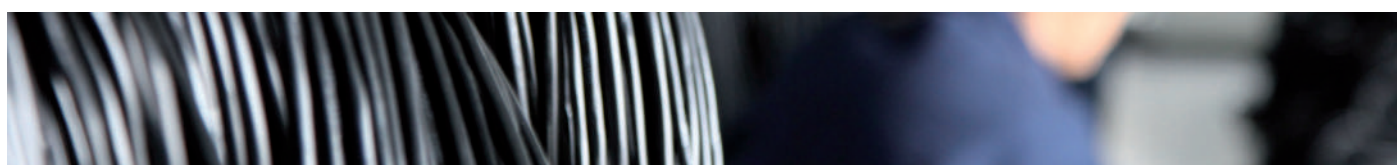
COMPONENT		RG6+POWER
CONDUCTOR	Material	CCS/BC
		1.02
DIELECTRIC	Material	Foam PE
	Dia. (mm)	4.57
SHIELD	Material	BC Braid
	Coverage	95%
JACKET	Material	BC Braid
	Coverage	95%
POWER PAIR	Material	BC
	Dia. (mm)	16/24x0.2

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75 $\pm$ 3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.4

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	2.10
50	4.89
100	6.89
200	9.84
400	14.1
700	19.0
900	22.0
1000	23.3



RG8/U CABLE CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG8/U
CONDUCTOR	Material	BC/TC
	Dia. (mm)	7x0.70±0.01
DIELECTRIC	Material	Solid PE
	Dia. (mm)	7.24±0.10
SHIELD	Material	BC/TC Braid
	Coverage	95%
JACKET	Material	PVC
	Dia. (mm)	10.2±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	52±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	93.5

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	1.97
50	4.27
100	6.23
200	9.19
400	13.8
700	19.4
900	22.6
1000	24.3
4000	76.1



RG11 CABLE



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		STANDARD SHIELD	TRI-SHIELD	QUAD-SHIELD
CONDUCTOR	Material	CCS/BC	CCS/BC	CCS/BC
	Dia. (mm)	1.63±0.01	1.63±0.01	1.63±0.01
DIELECTRIC	Material	Foam PE	Foam PE	Foam PE
	Dia. (mm)	7.11±0.10	7.11±0.10	7.11±0.10
SHIELD	Material	Al Foil + Al Braid	Al Foil + Al Braid + Al Foil	(Al Foil + Al Braid)*2
	Coverage	40%-95%	40%-95%	40%-95%
JACKET	Material	PVC/PE	PVC/PE	PVC/PE
	Dia. (mm)	10.03±0.10	10.16±0.10	10.34±0.10
MESSENGER	Material	Galvanized Steel	Galvanized Steel	Galvanized Steel
	Dia. (mm)	1.83±0.01	1.83±0.01	1.83±0.01

MECHANICAL CHARACTERISTICS

MINIMUM BREAKING STRENGTH OF MESSENGER	166kgf
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ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	52±3
STRUCTURAL RETURN LOSS(≥DB)	20

ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	MAXIMUM(DB/100M)
5	1.25
55	3.18
211	5.94
300	7.05
400	8.10
550	9.65
750	11.48
1000	13.88
1450	18.10
1800	20.60
2250	23.50
3000	28.90

RG58 CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG58/U
CONDUCTOR	Material	BC/TC
	Dia. (mm)	19x0.18±0.005
DIELECTRIC	Material	Solid PE
	Dia. (mm)	2.95±0.05
SHIELD	Material	BC/TC Braid
	Coverage	95%
JACKET	Material	PVC
	Dia. (mm)	4.95±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	50±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	101

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
30	6.3
50	8.1
150	14.1
220	17.1
450	24.6
900	35.0
1500	45.6
1800	50.1
2000	53.0

RG59+ CAT5E



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG59	CAT5E
CONDUCTOR	Material	CCS/BC	BC
	Dia. (mm)	0.81±0.01	0.50±0.01
DIELECTRIC	Material	Foam PE	HDPE
	Dia. (mm)	3.70±0.10	0.90±0.03
SHIELDING	Material	Al Foil + Al Braid	No
	Coverage	95%	No
JACKET	Material	PVC	PVC
	Dia. (mm)	6.0±0.10	5.0±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3	100±15
VELOCITY OF PROPAGATION	83%	69%
CAPACITANCE(PF/M)	53.1	5.6

NOMINAL ATTENUATION [@ 68° F. (20° C)]

RG59		CAT5E	
FREQUENCY(MHZ)	ATTENUATION (DB/100M)	FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	2.95	1.0	2.0
50	6.23	4.0	4.1
100	8.53	10.0	6.5
200	12.14	20.0	9.3
400	16.73	25.0	10.4
700	22.03	31.25	11.7
900	24.74	62.5	17.0
1000	26.64	100	20.1

RG59/U Cable

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG59/U
CONDUCTOR	Material	CCS/BC/TC
	Dia. (mm)	0.584±0.01
DIELECTRIC	Material	Solid PE
	Dia. (mm)	3.70±0.10
SHIELD	Material	Solid PE
	Dia. (mm)	3.70±0.10
JACKET	Material	PVC
	Dia. (mm)	6.10±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	67.3

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	3.6
50	7.9
100	11.1
200	16.1
400	23.0
700	31.8
900	36.4
1000	39.4

RG59/U with Power Cable



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG59/U+POWER
CONDUCTOR	Material	CCS/BC
	Dia. (mm)	0.584±0.01
DIELECTRIC	Material	Solid PE
	Dia. (mm)	3.70±0.10
SHIELD	Material	BC/CCA Braid
	Coverage	95%
JACKET	Material	PVC
	Dia. (mm)	6.00±0.10
POWER PAIR	Material	BC
	Dia. (mm)	16/24x0.2

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	67.3

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	3.6
50	7.9
100	11.1
200	16.1
400	23.0
700	31.8
900	36.4
1000	39.4

RG59 CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		STANDARD SHIELD	TRI-SHIELD	TWIN
CONDUCTOR	Material	CCS/BC	CCS/BC	CCS/BC
	Dia. (mm)	0.81±0.01	0.81±0.01	2*0.81±0.01
DIELECTRIC	Material	Foam PE	Foam PE	Foam PE
	Dia. (mm)	3.66±0.10	3.66±0.10	2*3.66±0.10
SHIELD	Material	Al Foil + Al Braid	Al Foil + Al Braid + Al Foil	Al Foil + Al Braid
	Coverage	40%-95%	40%-95%	40%-95%
JACKET	Material	PVC/PE	PVC/PE	PVC
	Dia. (mm)	6.00±0.10	6.10±0.10	6.00*13.0±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	52±3
STRUCTURAL RETURN LOSS(≥DB)	20

ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	MAXIMUM(DB/100M)
5	2.92
55	6.40
211	11.78
270	13.29
300	14.01
350	15.22
400	16.01
450	17.39
550	19.36
750	22.83
870	24.74
1000	26.54

RG59 with Power Cable



COAXIAL CABLE



PHYSICAL DIMENSIONS

Component		RG59/U+Power	
Conductor	Material	BC/CCS	
	Dia. (mm)	0.81±0.01	
Dielectric	Material	Foam PE	
	Dia. (mm)	3.70±0.10	
Shielding	Material	CCA Braid	
	Coverage	85%	
Jacket	Material	PVC	
	Dia. (mm)	6.0±0.10	
Power Pair	Conductor	Material	BC/CCA
		Dia. (AWG)	18
	Jacket	Material	PE
		Dia. (mm)	1.80

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53±2

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	3.5
50	7.0
100	10.0
200	14.7
400	21.0
700	28.3
900	32.7
1000	34.6

RG59

+ Power Cable + CAT5E

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG59+POWER	CAT5E
CONDUCTOR	Material	CCS/BC	BC
	Dia. (mm)	0.80±0.01	0.50±0.01
DIELECTRIC	Material	Foam PE	HDPE
	Dia. (mm)	3.70±0.10	0.90±0.03
SHIELDING	Material	BC/CCA Braid	No
	Coverage	95%	No
INNER JACKET	Material	PVC	PVC
	Dia. (mm)	6.0±0.10	5.0±0.10
POWER PAIR	Material	BC	No
	Dia. (mm)	16/24x0.2	No
OUTER JACKET	Material	PVC	
	Thickness(mm)	1.00±0.10	

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3	100±15
VELOCITY OF PROPAGATION	83%	69%
CAPACITANCE(PF/M)	53.4	5.6

NOMINAL ATTENUATION [@ 68° F. (20° C)]

RG59		CAT5E	
FREQUENCY(MHZ)	ATTENUATION (DB/100M)	FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	2.95	1.0	2.0
50	6.23	4.0	4.1
100	8.53	10.0	6.5
200	12.1	20.0	9.3
400	17.5	25.0	10.4
700	24.0	31.25	11.7
900	27.3	62.5	17.0
1000	29.0	100	20.1

RG174/U CABLE



COAXIAL CABLE



PHYSICAL DIMENSIONS

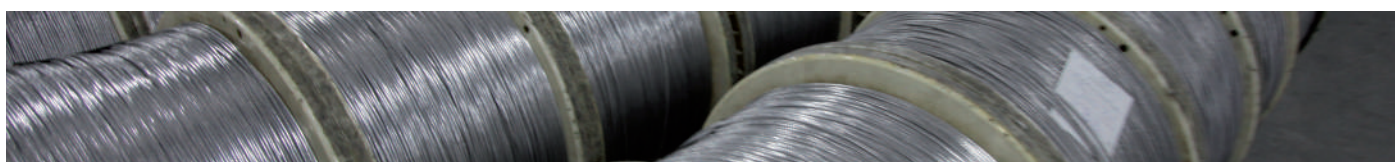
COMPONENT		RG174/U
CONDUCTOR	Material	CCS/BC/TC
	Dia. (mm)	7x0.16±0.005
DIELECTRIC	Material	Solid PE
	Dia. (mm)	1.52±0.05
SHIELD	Material	BC/TC Braid
	Coverage	90%
JACKET	Material	PVC
	Dia. (mm)	2.80±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	50±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	101

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	10.8
50	19.0
100	27.6
200	41.0
400	62.3
700	88.6
900	101.7
1000	111.5



RG213/U CABLE

COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG 213/U
CONDUCTOR	Material	BC/TC
	Dia. (mm)	7x0.75±0.01
DIELECTRIC	Material	Solid PE
	Dia. (mm)	7.24±0.10
SHIELD	Material	BC/TC Braid
	Coverage	95%
JACKET	Material	PVC
	Dia. (mm)	10.2±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	50±3
VELOCITY OF PROPAGATION	66%
CAPACITANCE(PF/M)	93.5

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
10	1.80
50	4.27
100	6.23
200	8.86
400	13.5
700	21.3
900	24.9
1000	26.2
4000	70.5



RG6 DUAL CABLE



COAXIAL CABLE



PHYSICAL DIMENSIONS

COMPONENT		RG6 DUAL CABLE
CONDUCTOR	Material	CCS/BC
	Dia. (mm)	2*1.02±0.01
DIELECTRIC	Material	Foam PE
	Dia. (mm)	2*4.57±0.10
SHIELD	Material	Al Foil + Al Braid
	Coverage	40%-95%
JACKET	Material	PVC
	Dia. (mm)	6.80*14.6±0.10

ELECTRICAL CHARACTERISTICS

IMPEDANCE(Ω)	75±3
VELOCITY OF PROPAGATION	83%
CAPACITANCE(PF/M)	53.1
STRUCTURAL RETURN LOSS(≥DB)	20

NOMINAL ATTENUATION [@ 68° F. (20° C)]

FREQUENCY(MHZ)	ATTENUATION (DB/100M)
5	2.20
55	5.25
211	9.42
300	11.25
400	13.12
550	15.45
750	18.34
1000	21.46
1450	26.20
1800	28.90
2250	32.80
3000	39.00



Standard structured cabling system from AWG23 to AWG26. Mini patch cords for Data Centres and High-density requirements from AWG26 to AWG28, with moulded and unmoulded plugs a full range of flat patch cords.

All our products come with full test certificate and customised packaging design when required.

AFSON CABLING PATCH CORD

CABLING PATCH CORD

THE PATCH CORDS HAVE TO MATCH WITH THE CABLING QUALITY AND LEVEL.

A significant element in a structured cable system is the device and equipment connections.

A patch cord is an important element not to be underestimated in a structured cable system. This part of cabling completes and determines the channel link quality.

Patch cords must be of equal quality and level as the cable.

Afson Cable and Wire designs, develops and manufactures a full range of OEM patch cords from Cat5 to Cat6A with different kind of shielding and construction.

We can provide a full range of patch cords based on sheath-performance, lengths and intended uses.

U/UTP Category 6

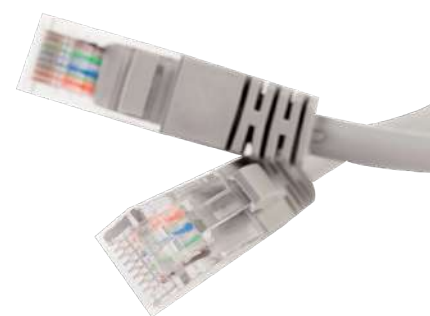


PATCH CORD



STANDARD

- U/UTP 4*2*AWG24/7- 26/7- 28/7, Twisted pair 100ohm
- Electrical Performance guaranteed to meet or exceed
- ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified Intertek (ETL).
- Ideal for Professional architectural requirements.
- Stranded cable for maximum flexibility.

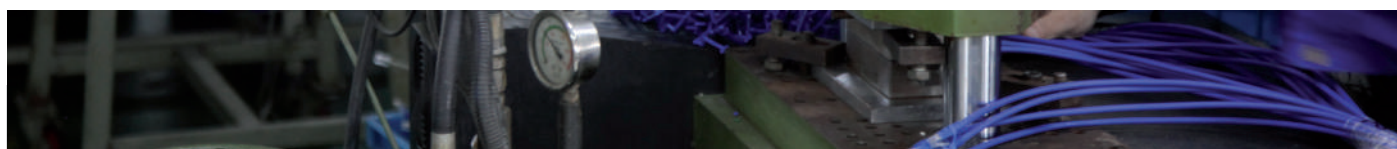


CONSTRUCTION

Conductor	Stranded bare copper 24AWG 26AWG 28 AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-blue/blue, White-orange/Orange, White-green/green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None
PLUG	30 – 50μ Gold plating
Jacket	CM PVC/LSZH

AVAILABLE COLOR

- Available in different cable color and Plug mold



AVAILABLE IN DIFFERENT CABLE SIZE:



• Standard



• Flat



• Mini

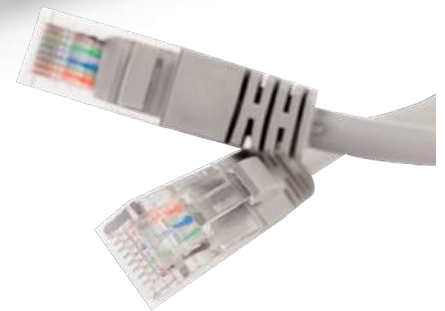
F/UTP Category 6

PATCH CORD



STANDARD

- F/UTP 4*2*AWG24/7- 26/7, Twisted pair 100ohm
- Electrical Performance guaranteed to meet or exceed
- ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified Intertek (ETL).
- Ideal for Professional architectural requirements and and electromagnetic noise enviroment.
- Stranded cable for maximum flexibility.



CONSTRUCTION

Conductor	Stranded bare copper 24AWG 26AWG 28 AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-blue/blue, White-orange/Orange, White-green/green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out
Drain wire	None
PLUG	30 – 50μ Gold plating
Jacket	CM PVC/LSZH

AVAILABLE COLOR

- Available in different cable color and Plug mold



AVAILABLE IN DIFFERENT CABLE SIZE:



• Standard



• Mini

SF/UTP Category 6

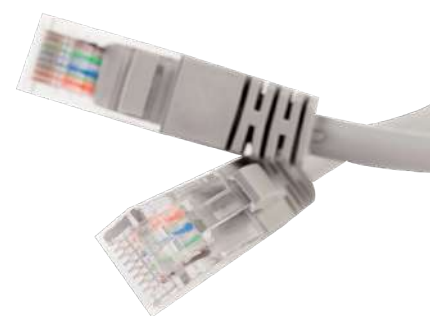


PATCH CORD



STANDARD

- SF/UTP 4*2*AWG24/7 – 26/7, Twisted pair 100ohm
- Electrical Performance guaranteed to meet or exceed
- ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified Intertek (ETL).
- Ideal for Professional architectural requirements and and electromagnetic noise enviroment.
- Stranded cable for maximum flexibility.



CONSTRUCTION

Conductor	Stranded bare copper 24AWG 26AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-blue/blue, White-orange/Orange, White-green/green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out + Braided shielded
Drain wire	None
PLUG	30 – 50μ Gold plating
Jacket	CM PVC/LSZH

AVAILABLE COLOR

- Available in different cable color and Plug mold



AVAILABLE IN DIFFERENT CABLE SIZE:



- Standard

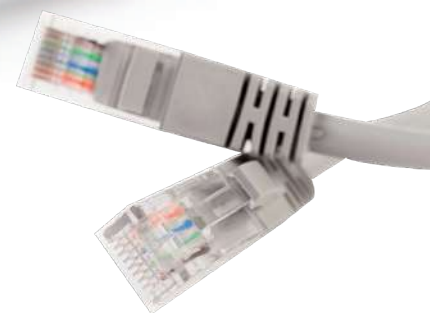
U/UTP Category 5e

PATCH CORD



STANDARD

- U/UTP 4*2*AWG24/7, Twisted pair 100ohm
- Electrical Performance guaranteed to meet or exceed
- ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified Intertek (ETL).
- Ideal for Standard architectural requirements.
- Stranded cable for maximum flexibility.



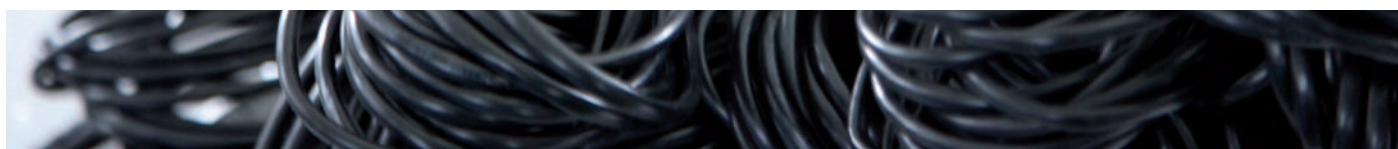
CABLING PATCH CORD

CONSTRUCTION

Conductor	Stranded bare copper 24AWG 26AWG 28AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-blue/blue, White-orange/Orange, White-green/green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None
PLUG	30 – 50μ Gold plating
Jacket	CM PVC/LSZH

AVAILABLE COLOR

- Available in different cable color and Plug mold



AVAILABLE IN DIFFERENT CABLE SIZE:



• Standard



• Flat



• Mini

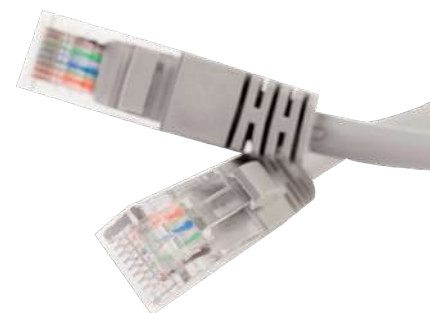
F/UTP Category 5e

PATCH CORD



STANDARD

- F/UTP 4*2*AWG24/7, Twisted pair 100ohm
- Electrical Performance guaranteed to meet or exceed
- ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified Intertek (ETL).
- Ideal for Standard architectural requirements and and electromagnetic noise enviroment.
- Stranded cable for maximum flexibility.



CONSTRUCTION

Conductor	Stranded bare copper 24AWG 26AWG 28 AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-blue/blue, White-orange/Orange, White-green/green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out
Drain wire	None
PLUG	30 – 50μ Gold plating
Jacket	CM PVC/LSZH

AVAILABLE COLOR

- Available in different cable color and Plug mold



AVAILABLE IN DIFFERENT CABLE SIZE:



- Standard



- Mini

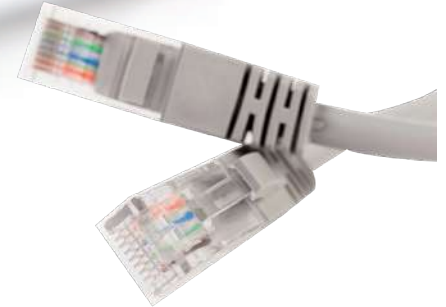
SF/UTP Category 5e

PATCH CORD



STANDARD

- SF/UTP 4*2*AWG24/7, Twisted pair 100ohm
- Electrical Performance guaranteed to meet or exceed
- ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified Intertek (ETL).
- Ideal for Standard architectural requirements and and electromagnetic noise enviroment.
- Stranded cable for maximum flexibility.



CABLING PATCH CORD

CONSTRUCTION

Conductor	Stranded bare copper 24AWG 26AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-blue/blue, White-orange/Orange, White-green/green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out + Braded shielded
Drain wire	None
PLUG	30 – 50μ Gold plating
Jacket	CM PVC/LSZH

AVAILABLE COLOR

- Available in different cable color and Plug mold



AVAILABLE IN DIFFERENT CABLE SIZE:

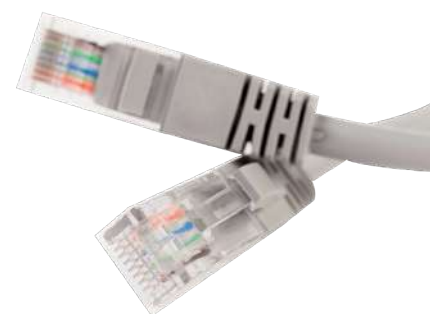


- Standard

U/UTP Category 6a



PATCH CORD



STANDARD

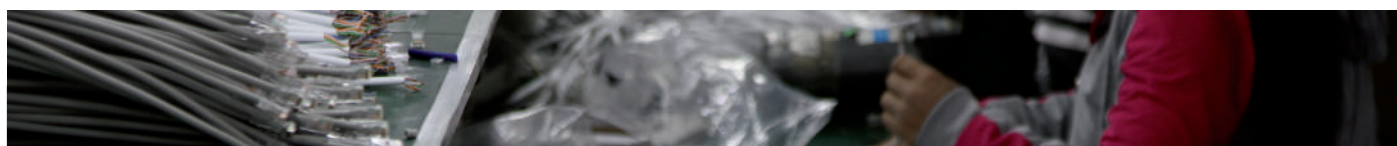
- U/UTP 4*2*AWG23/7- 24/7- 26/7 – 28/7, Twisted pair 100ohm
- Electrical Performance guaranteed to meet or exceed
- ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified Intertek (ETL).
- Ideal for Data Center architectural requirements.
- Stranded cable for maximum flexibility.

CONSTRUCTION

Conductor	Stranded bare copper 23AWG 24AWG 26AWG 28AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-blue/blue, White-orange/Orange, White-green/green, White-Brown/Brown
Individual pair shield	None
Overall shield	None
Drain wire	None
PLUG	30 – 50μ Gold plating
Jacket	CM PVC/LSZH

AVAILABLE COLOR

- Available in different cable color and Plug mold



AVAILABLE IN DIFFERENT CABLE SIZE:



• Standard



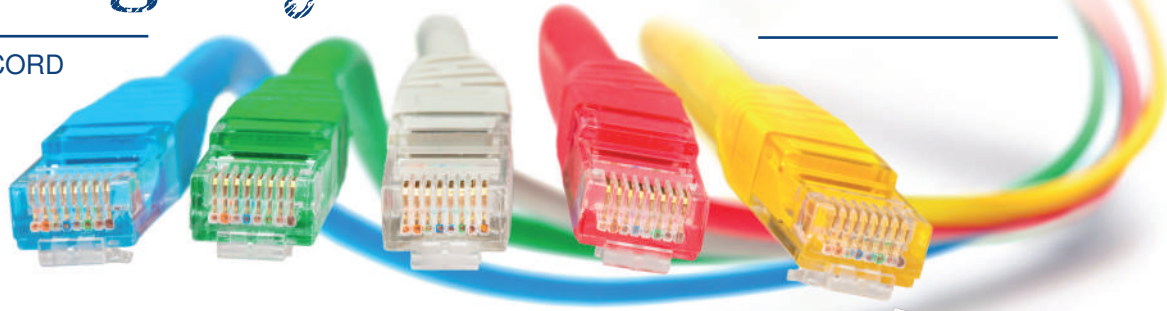
• Flat



• Mini

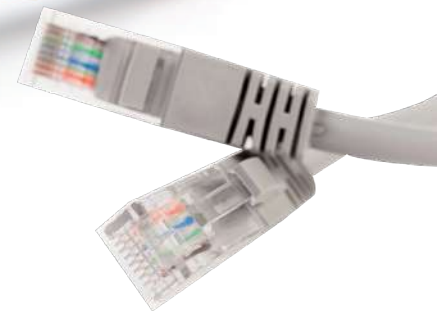
F/UTP Category 6a

PATCH CORD



STANDARD

- F/UTP 4*2*AWG23/7- 24/7 - 26/7, Twisted pair 100ohm
- Electrical Performance guaranteed to meet or exceed
- ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified Intertek (ETL).
- Ideal for Data Center architectural requirements and and electromagnetic noise enviroment.
- Stranded cable for maximum flexibility.



CABLING PATCH CORD

CONSTRUCTION

Conductor	Stranded bare copper 23AWG 24AWG 26AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-blue/blue, White-orange/Orange, White-green/green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out
Drain wire	None
PLUG	30 – 50μ Gold plating
Jacket	CM PVC/LSZH

AVAILABLE COLOR

- Available in different cable color and Plug mold



AVAILABLE IN DIFFERENT CABLE SIZE:



• Standard



• Mini

SF/UTP Category 6a

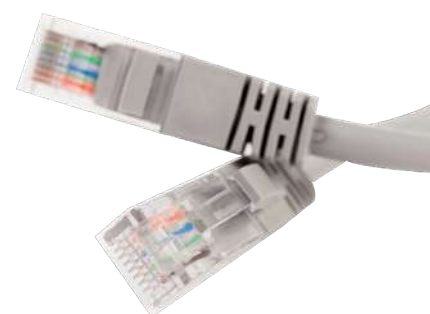


PATCH CORD



STANDARD

- SF/UTP 4*2*AWG23/7-24/7 – 26/7, Twisted pair 100ohm
- Electrical Performance guaranteed to meet or exceed
- ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified Intertek (ETL).
- Ideal for Data Center architectural requirements and and electromagnetic noise enviroment.
- Stranded cable for maximum flexibility.



CONSTRUCTION

Conductor	Stranded bare copper 23AWG 24AWG 26AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-blue/blue, White-orange/Orange, White-green/green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out + Braided shielded
Drain wire	None
PLUG	30 – 50μ Gold plating
Jacket	CM PVC/LSZH

AVAILABLE COLOR

- Available in different cable color and Plug mold



AVAILABLE IN DIFFERENT CABLE SIZE:



- Standard

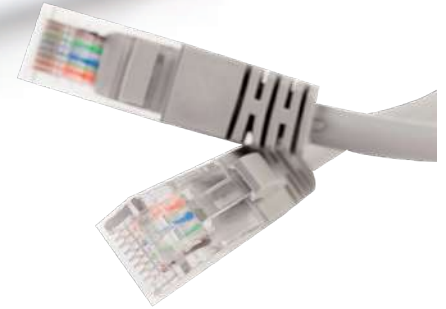
S/FTP Category 6a

PATCH CORD



STANDARD

- SF/UTP 4*2*AWG23/7 - 24/7 - 26/7, Twisted pair 100ohm
- Electrical Performance guaranteed to meet or exceed
- ANSI/TIA-568B Category 5e and ISO/EIC specifications.
- Independently tested and verified Intertek (ETL).
- Ideal for Data Center architectural requirements and and electromagnetic noise enviroment.
- Stranded cable for maximum flexibility.



CABLING PATCH CORD

CONSTRUCTION

Conductor	Stranded bare copper 23AWG 24AWG 26AWG
Insulation	HDPE
Total number of insulated conductors	8, twisted in 4 pairs
Color code	White-blue/blue, White-orange/Orange, White-green/green, White-Brown/Brown
Individual pair shield	None
Overall shield	Aluminum foil, providing 100% coverage, foil face out + Braided shielded
Drain wire	None
PLUG	30 – 50μ Gold plating
Jacket	CM PVC/LSZH

AVAILABLE COLOR

- Available in different cable color and Plug mold



AVAILABLE IN DIFFERENT CABLE SIZE:



- Standard



THE WINNING COMBINATION OF KNOWLEDGE AND EXPERTISE

CERTIFICATE OF COMPLIANCE

Certificate Number: 20170125-E478716
Report Reference: E478716-20170120
Issue Date: 2017-JANUARY-25

Issued to: HANGZHOU AFSON CABLE & WIRE CO LTD
JINMA INDUSTRIAL ZONE
JINBEI STREET
LINAN
ZHEJIANG 311300 CHINA

This is to certify that
representative samples of COMMUNICATIONS CABLE
Types CMR, CM and CMR, rated at 60 or 75°C:

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 444, Communications Cables
CSA C22.2 No. 214, Communications Cables
Additional Information: See the UL Online Certifications Directory at
www.ul.com/databases for additional information.

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
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Look for the UL Certification Mark on the product.

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