

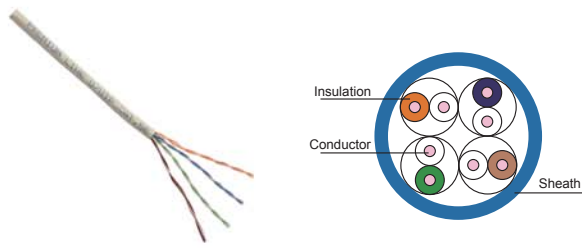
Full-digital System

Premium Line full-digital system is an ideal solution for IP camera infrastructure, which creates customized lengths of modular network cables. It is also available for toolless installation, provides an more efficient, flexible solution for you.

Medium Twisted Pair Cable

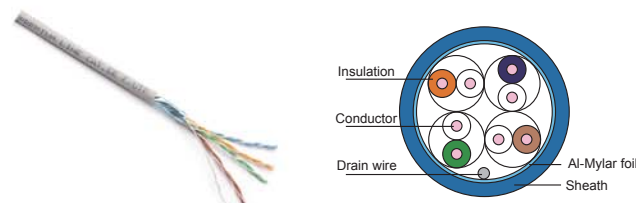
In this system, we should choose Category.5e or above twisted-pair cable, cable category is higher, the better transmission effect. According to the different using environment choose different cable, such as indoor cable, outdoor cable, resistance water cable, etc.

Category 5e U/UTP Installation Cable



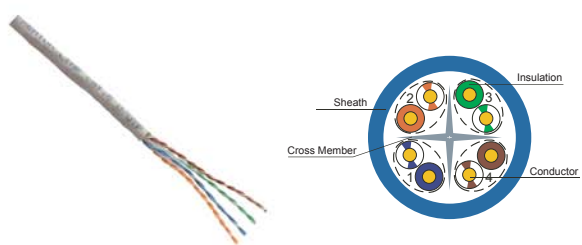
Structure		
Conductor	Material	Bare Copper
	Construction	1/0.508 ± 0.02 mm / 24 AWG
Insulation	Material	HDPE
	Diameter	0.91 ± 0.06 mm
Sheath	Material	PVC LSOH
	Diameter	5.2 ± 0.2 mm 5.2 ± 0.2 mm

Category 5e F/UTP Installation Cable



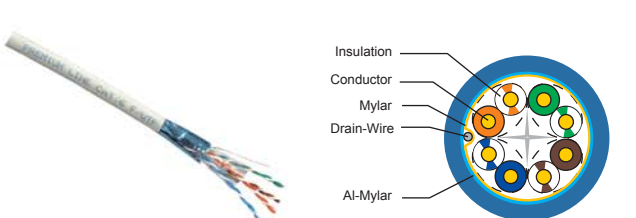
Structure		
Conductor	Material	Bare Copper
	Construction	1/0.508 ± 0.02 mm / 24 AWG
Insulation	Material	Form-skin PE
	Diameter	1.055 ± 0.05 mm
Shield	Material	Aluminum Foil on Inside Surface
	Material	Tinned Copper
Sheath	Material	PVC LSOH
	Diameter	6.0 ± 0.3 mm 6.0 ± 0.3 mm

Category 6 U/UTP Installation Cable



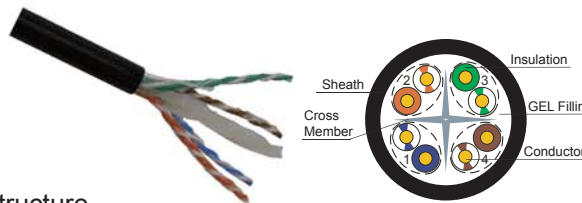
Structure		
Conductor	Material	Bare Copper
	Construction	1/0.56 ± 0.02 mm / 23 AWG
Insulation	Material	HDPE
	Diameter	1.00 ± 0.1 mm
Cross Member	Material	PE
	Material	PVC LSOH
Sheath	Material	PVC LSOH
	Diameter	6.2 ± 0.3 mm 6.2 ± 0.3 mm

Category 6 F/UTP Installation Cable



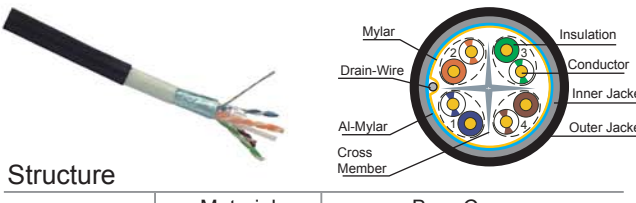
Structure		
Conductor	Material	Bare Copper
	Construction	1/0.56 ± 0.02 mm / 23 AWG
Insulation	Material	HDPE
	Diameter	Nominal: 1.10 mm
Inner-Shield	Material	Aluminum-Mylar Al-Mylar Tape insulation on Outside Surface
	Material	PE
Drain Wire	Material/Size	Stranded Tinned Copper / 26AWG
	Material	PVC or LSOH
Sheath	Thickness	Nominal: 0.50mm
	Diameter	Nominal: 7.4 ± 0.4 mm

Category 6 U/UTP Outdoor Installation Cable, -40°C



Structure		
Conductor	Material	Bare Copper
	Construction	1/0.56 ± 0.02 mm / 23 AWG
Insulation	Material	PE
	Diameter	Nominal: 1.08 mm
"+ cross	Material	PE
	Material	LDPE / BLACK
Sheath	Thickness	Nominal: 0.50mm
	Diameter	Nominal: 6.40mm
GEL		6.0 ± 0.3 mm
Operation Temperature		-40°C to +60°C

Category 6 F/UTP Outdoor Installation Cable, -40°C



Structure		
Conductor	Material	Bare Copper
	Construction	1/0.56 ± 0.02 mm / 23 AWG
Insulation	Material	PE
	Diameter	Nominal: 1.198 mm
Inner-Shield	Material	Aluminum-Mylar Al-Mylar tape
	Material	PE
Drain Wire	Material	Stranded Tinned Copper
	Material	PVC
1st Layer	Diameter	Nominal: 7.2 mm
	Material	PE / BLACK
2nd Layer	Diameter	Nominal: 8.0 mm

Full-digital System

IP CAMERA

Support millions of HD pixels, a HD network camera is equivalent to mark more clear analog cameras

Its own IP address, user can use a standard web browser to realize remote access and control

ALL in ONE (One cable to solve all problems) : wiring simple, flexible installation, low cost, and can realize the end-to-end control and the maintenance of the more simple

POE (Ethernet power supply) more stable, more reliable



P/N 812531041
Indoor/Outdoor Housing
Color 700TVL / BW 800TVL
CS Mount Lens
True D/N



P/N 815104850
Outdoor Weatherproof
1080p @25fps
42 IR LEDs
3.5 - 16.0mm Auto Iris Lens

Accessory

Toolless RJ45 Plug for Unshielded Solution

Toolless unshielded modular plugs are special designed for industrial applications, and also be an ideal option of creating customized lengths of modular network cables. The unshielded modular plugs are manufactured from high-impact clear polycarbonate to withstand everyday wear and tear.



RJ45 Plug for Shielded Solution

Shielded modular plugs are specially used in some strong electromagnetic interference and other particular situation, which ensure more stable signal transmission. The shielded modular plugs are also quick connection, installation and simple wiring. You can expect error-free data transfers.



What is DVR?

DVR is Digital Video Recorder or Digital hard disk Video Recorder, we traditionally called hard disk Video Recorder.

DVR which adopt digital recording technology, it is far superior to the simulation monitoring equipment on image processing, image storage, retrieval, backup, and network transmission, remote control and so on also. DVR represents the development direction of the TV monitoring system, which is the first-selected product of the TV monitoring system on the market currently.



- 4 Channel Standalone DVR
- Operation system, H 264 Compression/AVI
- Record Frame Rate Support DI/HD1/CIF
- Remote Client, IE Brower, Mobile, CMS, Firefox, Google Chrome, Mac Safari
- Talk Back, RS485, VGA, SATA 2.6x2(2xHDD 2TB)
- 2xUSB 2.0USB Disk up to 32G, Removable DVD-RW
- 4CH Alarm in 1CH Alarm out
- 4CH Alarm in 4CH Audio out



- 8 Channel Standalone DVR
- Linux Operation system, H 264 Compression/AVI
- Record resolution Supports DI/HD1/CIF
- Remote access by internet explorer, Google Chrome, Mozilla firefox, Mac Safari, CMS and mobile client
- Supports talk back
- VGA output and BNC output at the same time
- Supports HDMI output (optional)
- SATA2.6x8(MAX 16TB)
- Supports build-in DVD-RW
- Loop out optional
- Supports to expand WIFI or 3G function via USB port

www.premiumline-cabling.com



Security & Surveillance System

APPLICATION

- Support POE (power over Ethernet)
- Support audio transmission
- Support Digital signal transmission
- Support PTZ control (as RS-485)
- Support I/O alarm

premium line

www.premiumline-cabling.com

Headquarters

Premium-Line Systems GmbH
Rosenheimer Str. 89
D-83064 Raubling, Germany

Tel: +49 (0)8035 9836 0
Fax: +49 (0)8035 9836 22

sales@premiumline-cabling.com

Middle East & Africa

Premium-Line Systems FZC
SAIF Zone P.O. Box 7869
Sharjah, U.A.E

Tel: +971-65573312
Fax: +971-65573767

sales@premiumline-cabling.ae

Asia

Premium-Line Asia Ltd
12-9 Lane 130 Chung Shan East Rd. Section 2,
Hsinwu Taoyuan Hsien, Taiwan

Tel: +886-3-4771746
Fax: +886-3-4971692

sales@premiumline-cabling.com

What is Video-surveillance system?

Security and surveillance system is a cross-industry comprehensive security system, which use the world's most advanced sensor technology, monitoring camera technology, communication technology and computer technology, form a multi-functional comprehensive monitoring of high intelligent processing system. Because of it can give people the most direct visual, auditory experience, as well as to be monitored object visibility, real-time and objectivity of the records, has become the main means of the current security area.

In the surveillance field, the most commonly used two kinds of monitoring way is semi-digital and full digital (network) monitoring system at present. The transmission medium and equipment of the two kinds of systems has not the same.

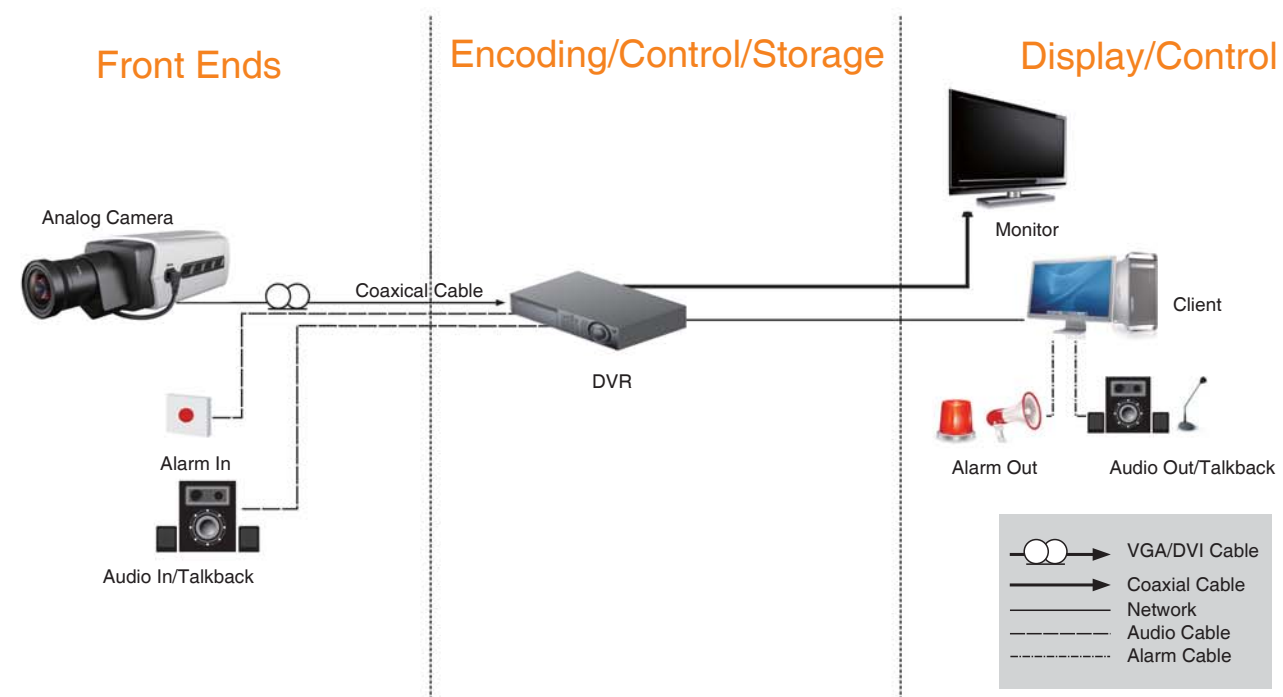


Semi-digital System

Coaxial Cable & Analog Camera & DVR

The characteristic of this system is that which transform the analog signals into digital signals, and then stored in hard disk. It solved the puzzles about the video storage.

- Single stage system reliable, image is clear, control flexibility, good real-time, cost relative economic
- Storage conveniently, support storage
- Video access points using analog optical fiber, access security
- Cost advantage with DVR obviously, only need to ordinary hard disk, procurement convenience



Semi-digital System

Medium Coaxial Cable

In this system, the most common transmission medium of the video transmission is coaxial cable. It specially designed to transmit video signal. General use of the RG coaxial cable, commonly used models for RG59.

RG59 Coaxial Cable



Part No.:504623340xy

Structure

Conductor	Solid Copper $\Phi 0.575\text{mm}$
Insulation	Solid Polyethylene (SPE) $\Phi 3.70\text{mm}$
Shield	28/0.12mm Bare Copper Vraid, 94% Coverage
Jacke	PVC $\Phi 6.10\text{mm}$

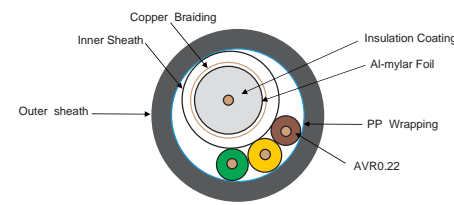
Attenuation

Frequency(MHZ)	Attenuation (@ 68°F.(20°C.))							
	5	10	50	100	200	500	700	1000
Max (dB/100ft.)	0.76	1.07	2.41	3.36	5.06	8.17	10.07	12.05
Max(dB/100m)	2.5	3.5	7.9	11.0	16.6	26.8	33.0	39.5

Application

It is used for video fields, communication system and signal control system. It is used for electronic circuit put-up, decoration signal transmittance, video and audio apparatus connection, TV signal transmittance for video monitoring circuits, video conferencing. It is used in the system with operating frequency up to 100MHZ, while transmittance distance no more than 500 meter. It features low attenuation and high fidelity.

RG59+AVR0.22 Coaxial Cable



Part No.:509625430xy

Structure

Conductor	Bare Copper 7/0.17mm
Insulation	Low-Density Polyethylene(LDPE) $\Phi 2.9\text{mm}$
Shield	AL-Mylar Foil AL Face Out 64/0.1mm Bare Copper Braid 60% Coverage
Inner sheath	PVC $\Phi 5.0\text{mm}$
Wire	Bare Copper 7/0.2mm
Insulation of wires	PVC $\Phi 1.6\text{mm}$, Brown/Orange/Green
Outer sheath	PVC $\Phi 8.3\text{mm}$

Application

It is used for video fields, communication system and signal control system. It is used for electronic circuit put-up, decoration signal transmittance, video and audio apparatus connection, TV signal transmittance for video monitoring circuits, video conferencing. It is used in the system with operating frequency up to 100MHZ, while transmittance distance no more than 350 meter. It features low attenuation and high fidelity.

Connector

BNC Connector is a kind of used for coaxial cable connectors, full name is Bayonet Nut Connector. It is used between the camera equipment output wire and the camera in monitoring project. Now it is widely used in communication system, which is often used to transmit audio, video signal in the high-grade monitor, audio equipment.



Feature

Impedance	75 Ω
Frequency	0~2GHZ
Contact Resistance	Inner Conductor DCR $\leq 2.0\text{m}\Omega$ Outer Shield DCR $\leq 0.2\text{m}\Omega$
Insulation Resistance	$\geq 5000\text{M}\Omega$
Dielectric Withstand Voltage	1500V
Voltage Standing Wave Ratio (VSWR)	≤ 1.3
Center Contact Element	Plug-Brass, Gilding(bold) Jack--Tin Bronze/Beryllium Bronze Other Metal Parts-Brass, Ni-plated(Thicken)
Insulator	PTFE
Seal Ring	Silastic

Device –Analog Camera

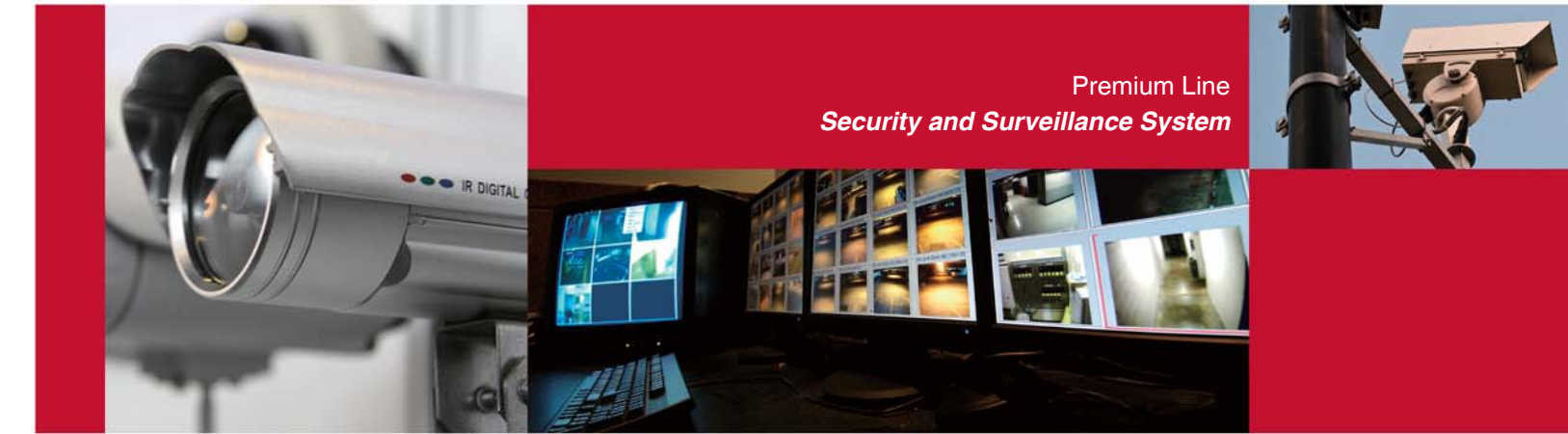
- In the transmission process, no need coding, no delay, more vivid about image restore effect
- High cost-effective and low engineering cost



P/N 812206541
Outdoor Weatherproof
Color 700TVL / BW 800TVL
42 IR LEDs
3.5-16.0mm DC Auto Iris Lens



P/N 812145140
Indoor/Outdoor Vandalproof
Color 700TVL / BW 800TVL
24 IR LEDs
2.8-12.0mm DC Auto Iris Lens



Full-digital System

Communication LAN Cable & IP Camera & Network Switch

This full digital system use the network camera which can connect with other subsystems seamlessly, realize true digital.

- Support the image compression standard format (MPEC 2 / MPEC 4 / h. 264), the high resolution image
- Only a code which transmit in the whole network, there won't be more attenuation
- In multistage network, image delay and control delay are all millisecond level, satisfy the real-time monitoring and real-time control requirements
- Entire network management more convenient, storage reliability is high, easy to search according to different conditions
- Video IP change conform to monitor future development trends

