

TONGRUN ELECTRONICS



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2013

DC Convertor & BNC Connector and other accessories

TRC01001

BNC MALE CRIMP
A)RG58/U
B)RG59/U
C)RG6/U



TRC01002

BNC MALE CRIMP
A)RG58/U
B)RG59/U
C)RG6/U



TRC01003

BNC MALE ,QUICK CRIMP
A)RG58/U
B)RG59/U
C)RG6/U



TRC01004

BNC MALE LOCK
COMMON TYPE



TRC01005

BNC MALE SOLDERLESS



TRC01006

RIGHT ANGLE BNC MALE



TRC01007

BNC MALE TWIST ON
A)RG58/U
B)RG59/U
C)RG6/U



TRC01008

DOUBLE BNC MALE



TRC01009

DOUBLE BNC FEMALE



TRC01010

DOUBLE BNC FEMALE



TRC01011

BNC MALE TO RCA FEMALE



TRC01012

BNC FEMALE TO RCA MALE



TRC01013

A: BNC MALE TO
F FEMALE
B: BNC MALE TO
F FEMALE



TRC01014

BNC THREE FEMALE



TRC01015

BNC MALE TO DOUBLE
BNC FEMALE



TRC02001

F FEMALE TO F FEMALE



TRC02002

A:F FEMALE TO PAL MALE
B:F FEMALE TO PAL MALE



TRC02003

A:F FEMALE TO
PAL FEMALE



TRC02004

F FEMALE TO
F QUICK MALE



TRC02005

F FEMALE TO
RCA MALE



TRC02006

F MALE TO
PAL FEMALE



TRC03001

F COMPRESSION
CONNECTOR,
WATERPROOF,
RG59/RG6



TRC03002

F COMPRESSION
CONNECTOR,
WATERPROOF,
RG59/RG6



TRC03003

F COMPRESSION
CONNECTOR,
WATERPROOF,
RG59/RG6



TRC03004

F COMPRESSION
CONNECTOR,
WATERPROOF,
RG59/RG6



TRC03005

F COMPRESSION
CONNECTOR,
WATERPROOF,
RG59/RG6



TRC03006

F COMPRESSION
CONNECTOR,
WATERPROOF,
RG59/RG6



TRC03007

F COMPRESSION
CONNECTOR,
WATERPROOF,
RG59/RG6



TRC03008

F COMPRESSION CONNECTOR,
WATERPROOF,
RG59/RG6



TRC03009

F COMPRESSION CONNECTOR,
WATERPROOF, RG59/RG6



DC-DC CONVERTER



AC-DC CONVERTER



TRF01

A: DC plug 2.1x5.5mm, with terminal
B: DC plug 2.5x5.5mm, with terminal



TRF02

A: DC plug 2.1x5.5mm, with terminal
B: DC plug 2.5x5.5mm, with terminal



TRF03

A: DC jack 2.1x5.5mm, with terminal
B: DC jack 2.5x5.5mm, with terminal



TRF04

A: DC jack 2.1x5.5mm, with terminal
B: DC jack 2.5x5.5mm, with terminal



TRF05

BNC plug, with terminal



TRF06

BNC jack, with terminal



TRF07

RCA plug, with terminal



TRF08

RCA jack, with terminal



TRF09

3.5mm stereo plug
with terminal



TRF10

Patch Cord
with terminal



TRF13

Single-channel
video transmission,
The transmission distance
of 300-600 meters



TRF14

Single-channel video
transmission,
the transmission distance
of 300-600 meters



TRF16

Single-channel video
transmission,
the transmission distance
of 300 -600 meters



TRF18

Single-channel video
transmission,
the transmission distance
of 300-600 meters



TRF21

Single-channel video
transmission,
the transmission distance
of 300-600 meters



TRF25

Single-channel video
transmission,
the transmission distance
of 300-600 meters



TRF26

Single-channel video
transmission,
the transmission distance
of 300-600 meters



TRF27

Single-channel video
transmission,
the transmission distance
of 300-600 meters



TRF28

Single-channel video
transmission,
the transmission distance
of 300-600 meters



TRF29

Single-channel video
transmission,
the transmission distance
of 300-600 meters



TRF30

Single-channel video
transmission,
the transmission distance
of 300-600 meters



Connector Box & Wire Connector

TRF32

Power adapter DC Y cable pigtail,
1 DC jack to 2 DC plug



TRF33

Power adapter DC Y cable pigtail,
1 DC jack to 4 DC plug



TRF34

Power adapter DC Y cable pigtail,
1 DC jack to 8 DC plug



TRF35

DC plug



TRF36

DC jack



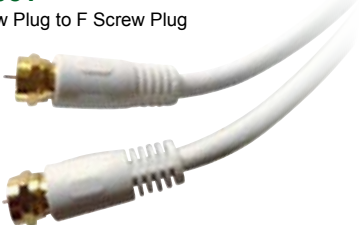
TRF31

Single-channel video transmission,
the transmission distance
of 300-600 meters



RC6081

F Screw Plug to F Screw Plug
RG59



RC6090

BNC male cable



RC6190

Video, power cable



TY-105A/TY-105C (Combinable Single Channel Passive Video Balun)



TY-105A TY-105C

New

**Copper BNC
Combinable
Lightning protection**

FEATURES

- Full-motion CCTV video at distances up to 330m When used with any passive transceiver
- Up to 1500m with any active UTP video receiver
- NTSC, PAL, and SECAM video formats
- No power required
- 60 dB crosstalk and noise immunity
- Compact size and easy installation
- Built-in transient suppression protection
- Copper BNC
- Innovation Combinable design

Technical Specifications

- Frequency response: DC to 8MHz
- Attenuation: 0.5dB typ
- CMRR: 60 dB
- Connectors: Male BNC and terminal blocks
- Impedance: BNC : 75 ohms, Terminal : 100 ohms
- Working Temperature: -10°C to +70 °C
- Storage Temperature: -30°C to +70 °C
- Humidity : 0 to 95%
- Surge protection: 4KV per: IEC61000-4-5
- ESD: 8KV per: IEC61000-4-2
- Dimension: 33mm*17mm*16mm(excluding connectors)
- Material : ABS Plastic

TY-101A/TY-101B/TY-101C/TY-101CF (Single Channel Passive Video Balun)



TY-101A



TY-101B



TY-101C



TY-101CF

FEATURES

- Full-motion CCTV video at distances up to 330m when used with any passive transceiver
- Up to 1500m with any active UTP video receiver
- NTSC, PAL, and SECAM video formats
- No power required
- 60 dB crosstalk and noise immunity
- Compact size and easy installation
- Built-in transient suppression protection

Technical Specifications

- Frequency response: DC to 8 MHz
- Attenuation: 0.5dB typ
- CMRR: 60 dB
- Connectors : Male or female BNC and terminal blocks
- Impedance: BNC: 75 ohms , Terminal: 100 ohms
- Working Temperature: -10°C to +70°C
- Storage Temperature : -30°C to +70°C
- Humidity : 0 to 95%
- Surge protection : 4KV 10/700 μ S
- Dimension : TY-101A/C/CF: 32mm*15mm*15mm
TY-101B: 25mm*16mm*16mm
(excluding connectors)
- Weight : TY-101A: 36g/Pair
TY-101B: 34g/Pair
TY-101C: 46g/Pair
TY-101CF: 38g/Pair
- Material: ABS Plastic

TY-102A/TY-102C (Single Channel Passive Video Balun)



TY-102C



TY-102A



Toolless

Lightning protection

FEATURES

- Full-motion CCTV video at distances up to 330m when used with any passive transceiver
- Up to 1500m with any active UTP video receiver
- "Press-Fit" terminal block
- NTSC, PAL, and SECAM video formats
- No power required
- 60 dB crosstalk and noise immunity
- Compact size and easy installation
- Built-in transient suppression protection

Technical Specifications

- Frequency response: DC to 8 MHz
- Attenuation: 0.5dB typ
- CMRR: 60 dB
- Connectors: Male BNC and "Press-Fit" terminal blocks
- Impedance: BNC: 75 ohms, Terminal: 100 ohms
- Working Temperature: -10 °C to +70 °C
- Storage Temperature: -30 °C to +70 °C
- Humidity : 0 to 95%
- Surge protection: 4KV 10/700 μ S
- Dimension: 39mm*16mm*19mm (excluding connectors)
- Weight : TY-102A : 44g/Pair
TY-102C : 64g/Pair
- Material : ABS Plastic

TY-103 (Single Channel Passive Video Balun)



Waterproof

FEATURES

- Full-motion CCTV video at distances up to 330m when used with any passive transceiver
- Up to 1500m with any active UTP video receiver
- NTSC, PAL , and SECAM video formats
- No power required
- 60 dB crosstalk and noise immunity
- Compact size and easy installation
- Waterproof design

Technical Specifications

- Frequency response : DC to 8 MHz
- Attenuation : 0.5dB typ
- CMRR: 60 dB
- Connectors: Male BNC and UTP
- Impedance: BNC : 75 ohms, UTP: 100 ohms
- Working Temperature: -10°C to +70 °C
- Storage Temperature: -30 °C to +70 °C
- Humidity : 0 to 95%
- Dimension : 288mm*18mm*15mm
- Weight : 50g/Pair
- Material: ABS Plastic

Camera & Monitor Connector

TY-107 (Single Channel Passive Video Balun)



Copper BNC
Lightning protection

FEATURES

- Full-motion CCTV video at distances up to 330m when used with any passive transceiver
- Up to 1500m with any active UTP video receiver
- NTSC, PAL, and SECAM video formats
- No power required
- 60 dB crosstalk and noise immunity
- Compact size and easy installation
- Built-in transient suppression protection
- Copper BNC

Technical Specifications

- Frequency response: DC to 8 MHz
- Attenuation: 0.5dB typ
- CMRR: 60 dB
- Connectors: Male BNC and UTP
- Impedance: BNC: 75 ohms, UTP: 100 ohms
- Working Temperature: -10 °C to +70°C
- Storage Temperature: -30 °C to +70°C
- Humidity: 0 to 95%
- Dimension: 200mm*25mm*19mm
- Surge protection: 4KV per: IEC61000-4-5
- ESD: 8KV per: IEC61000-4-2
- Weight: 64g/Pair
- Material: ABS Plastic

TY-108A/TY-108C (Single Channel Passive Video Balun)



TY-108C

TY-108A



Copper BNC
Lightning protection

FEATURES

- Full-motion CCTV video at distances up to 330m when used with any passive transceiver
- Up to 1500m with any active UTP video receiver
- Toolless, installs in seconds, no need to strip the wires
- NTSC, PAL, and SECAM video formats
- No power required
- 60 dB crosstalk and noise immunity
- Compact size and easy installation
- Built-in transient suppression protection
- High-quality copper BNC
- No need to strip the wires

Technical Specifications

- Frequency response: DC to 8 MHz
- Attenuation: 0.5dB typ
- CMRR: 60 dB
- Connectors: Male BNC and UTP
- Impedance: BNC: 75 ohms, UTP: 100 ohms
- Working Temperature: -10°C to +70°C
- Storage Temperature: -30°C to +70°C
- Humidity: 0 to 95%
- Surge protection: 4KV per: IEC61000-4-5
- ESD: 8KV per: IEC61000-4-2
- Dimension (excluding BNC): 41mm*17mm*15mm
- Material: ABS Plastic

TY-109A/TY-109C (Combinable Single Channel Passive Video Balun)



TY-109C

TY-109A



Copper BNC
Combinable
Lightning protection

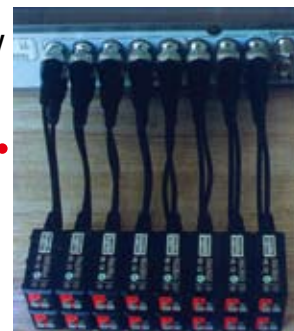
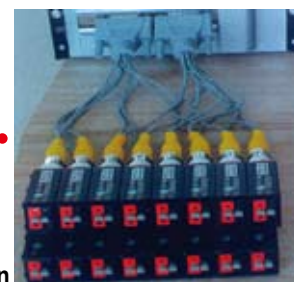
FEATURES

- Full-motion CCTV video at distances up to 330m When used with any passive transceiver
- Up to 1500m with any active UTP video receiver
- NTSC, PAL, and SECAM video formats
- No power required
- 60 dB crosstalk and noise immunity
- Compact size and easy installation
- "Press-Fit" terminal block
- Built-in transient suppression protection
- Copper BNC
- Innovation Combinable design

Technical Specifications

- Frequency response: DC to 8MHz
- Attenuation: 0.5dB typ
- CMRR: 60 dB
- Connectors: Male BNC and "Press-Fit" terminal blocks
- Impedance: BNC: 75 ohms, Terminal: 100 ohms
- Working Temperature: -10°C to +70°C
- Storage Temperature: -30°C to +70°C
- Humidity: 0 to 95%
- Surge protection: 4KV per: IEC61000-4-5
- ESD: 8KV per: IEC61000-4-2
- Dimension: 39mm*17mm*19mm (excluding connectors)
- Material: ABS Plastic

Innovative combinable design makes your cabinet more tidily



Mark Tab



TY-GB600/GB100/GL600 (Coaxial Video Ground Loop Isolator)

TY-TGP600/TGP100 (Twisted Pair Ground Loop Isolator built in Video Balun)

FEATURES

TY-GL600 Coaxial Video Ground Loop Isolator

- BNC male to BNC female with mini cable 25 on both sides.
- Passive, no power required.
- Prevents video-signal distortion caused by video ground loops.
- Eliminates picture tearing, cross talk and rolling.
- Prevents power cables laid by others interfering with the CCTV system.
- Built in TVS (Transient Voltage Suppressors) for surge protection
- Weight :168g/Pair



TY-GB100



TY-GB600/GL600

TY-GB600/GB100 Coaxial Video Ground Loop Isolator built in Video Balun

- Others same as TY-GL600 Ground Loop Isolator function.
- Built in video filter, perfect to work with DVR to immunity DVR interference, for extra interference rejection.
- Built in TVS (Transient Voltage Suppressors) for surge protection.
- Weight : TY-GB100:124g/Pair
TY-GB600:168g/Pair



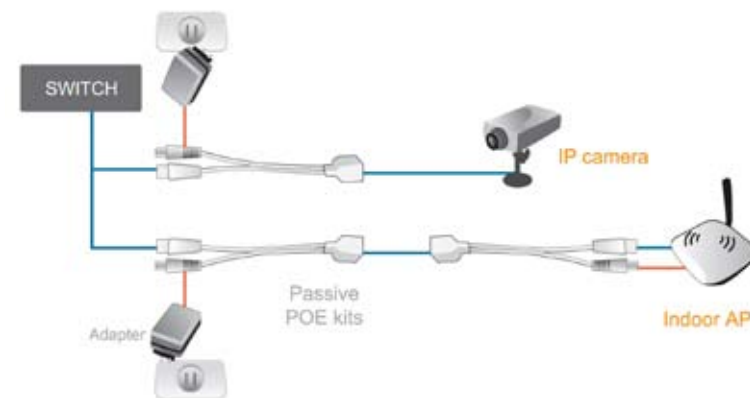
TY-TGP600



TY-TGP100

TY-TGP600/TGP100 Twisted Pair Ground Loop Isolator

- BNC male to terminal block with 15cm mini coax cable.
- Passive type, no power need.
- Hi Performance to eliminate ground loop problem.
- Low video loss, Bandwidth: 20Hz-11MHz ,+0/-3dB.
- Prevents video-signal distortion caused by video ground loops.
- Eliminates picture tearing, cross talk and rolling.
- Prevents power cables laid by others interfering with the CCTV system.
- Weight : TY-TGP600:154g/Pair
TY-TGP100:108g/Pair
- Built in TVS(Transient Voltage Suppressors)for surge protection



Simple PoE Injector with cable

P/N:TY-POE

Ethernet Cable: TIA/EIA568 Cat.5 or Cat.5e

Connector: RJ-45

Pins 1&2, 3&6 for data

Pins 4&5, 7&8 for power



New



	A	B	C
LED Indicator	none	Power	Power
Voltage Range	none	9V~24V	18V~57V
Data	Pins 1/2 & 3/6		
Power	Pins 4/5 & 7/8		
Data Rate	10/100 Mbps		
Ethernet Cable	TIA/EIA 568 Cat.5 or Cat.5e		
Connector	RJ-45		
Case of Material	PVC		
DC Plugs & Jacks	φ2.1 or φ2.5 X 5.5 X 12 mm Bakelite		

Camera & Monitor Connector

AV audio and video UTP transmission range

4 greatest advantages: extension distance, easy cabling, superb anti-interference, cost saving

This AV audio and video UTP transmission devices can transform the audio and video signals into a balanced signal which can be transmitted on 5 types of unshielded UTP cable. The devices can transmit colorful, single colored PAL, NTSC or SECAM etc. video signals. All the equipments can be divided into two categories which are active and passive range, including single channel, 4-channel, 8-channel and 16-channel devices. They can be widely applied to video surveillance, video conference and education etc. They can carry 4 channels of video signals on 5 types of 8-core UTP cables. In comparison with traditional transmission solutions, This AV audio and video transmission devices can lower the cost of your security projects and save the labor cost. Meanwhile, they will improve the effect of your system greatly.

Single Channel passive video UTP transmitter

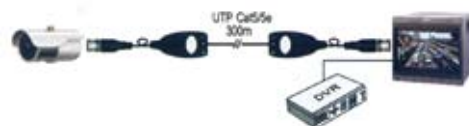
Features

- No power supply needed, simplify the wiring installation
- Plug-in and play, real-time transmission of colorful signals, clear and stable
- Transmission distance is 300 meters with passive devices, the distance can go up to 1500 meters with active transmission devices
- Superb anti-interference, transient suppression protection
- ABS engineering plastic housing, coaxial extension design, very convenient for project application
- Metric BNC Zine-alloy coaxial interface, compression fittings

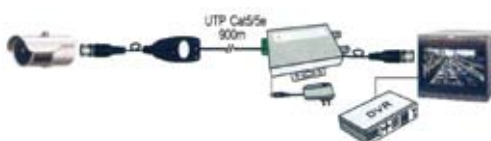


TRK221P

Active with passive baluns
TRK221P with TRK211P



Passive with active
TRK221P with TRK101AR



TRK612A



Features

- No power supply needed, simplify the wiring installation
- Plug-in and play, real-time transmission of colorful signals, clear and stable
- Transmission distance is 300 meters with passive devices, the distance can go up to 1500 meters with active transmission devices
- Superb anti-interference, transient suppression protection
- ABS engineering plastic housing, coaxial extension design, very convenient for project application
- Metric BNC Zine-alloy coaxial interface, compression fittings

TRK612H



TRK918HD-1

New



Features

- No power supply needed, simplify the wiring installation
- Plug-in and play, real-time transmission of colorful signals, clear and stable
- Transmission distance is 300 meters with passive devices, the distance can go up to 1500 meters with active transmission devices
- Superb anti-interference, transient suppression protection
- ABS engineering plastic housing, coaxial extension design, very convenient for project application
- Metric BNC Zine-alloy coaxial interface, screw compression fittings

TRK918HD-2

New



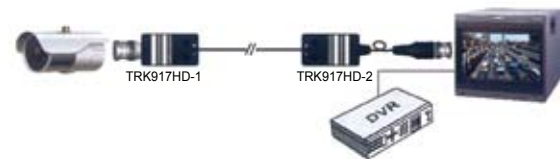
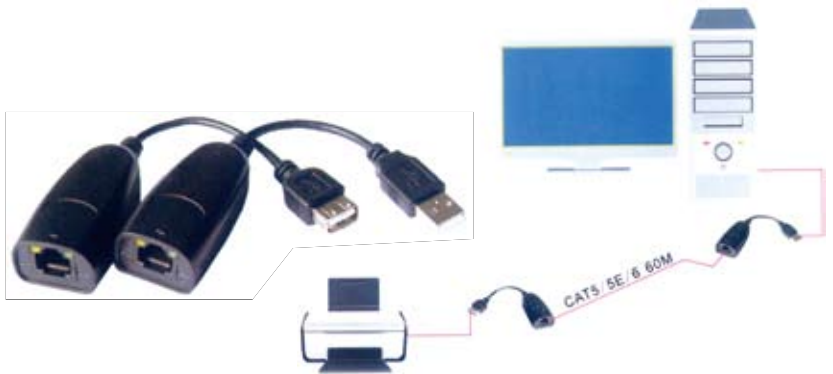
USB signal extender

TRK331

USB UTP extender is an advanced device which can transfer the USB by a single CAT cable. It is exquisitely designed and easy to operate. There is no need to install any software and it can be plug-and-play. It has full speed and low speed modes and is compatible with USB2.0. The maximum transmission distance can reach 60 meters. It has super anti-interference and anti-static electricity features can be applicable to complicated and industrial environment.

Features

- No power supply needed, simplify the wiring installation
- Plug-in and play, real-time transmission of colorful signals, clear and stable
- Transmission distance is 300 meters with passive devices, the distance can go up to 1500 meters with active transmission devices
- Superb anti-interference, transient suppression protection
- ABS engineering plastic housing, coaxial extension design, very convenient for project application
- Metric BNC Zinc-alloy coaxial interface, compression fittings



TRK917HD-1
screw terminal



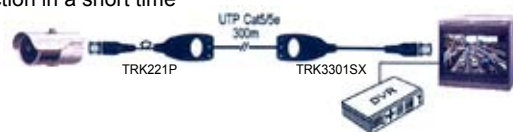
TRK917HD-2
screw terminal



Video anti-interference product

Features

- No power, simply settled
- Defend video signal distortion caused by video ground loops, Common mode interference and high frequency interference
- Can effectively eliminate the problem of screen separation, stripes rolling and crosstalk
- Isolation voltage-800V
- Superior lightning protection, anti-static, line surge protection in a short time
- ABS plastic shell
- "Press fit" connector

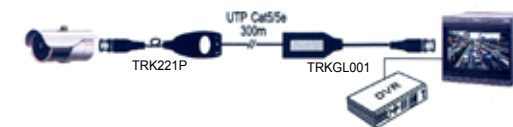


TRK3301SX

Passive video anti-interference product

Features

- No power, simply settled
- Defend video signal distortion caused by video ground loops, Common mode interference and high frequency interference
- Can effectively eliminate the problem of screen separation, stripes rolling and crosstalk
- Isolation voltage-800V
- Superior lightning protection, anti-static, line surge protection in a short time
- ABS plastic shell
- screw push-terminal wire



TRKGL001

weather-proof single channel passive UTP video balun



Recommended application

Mini and weather-proof BNC zinc alloys terminal

Recommended application

press-fitting terminal weather-proof BNC fine copper terminal

TRK712



TRK712E

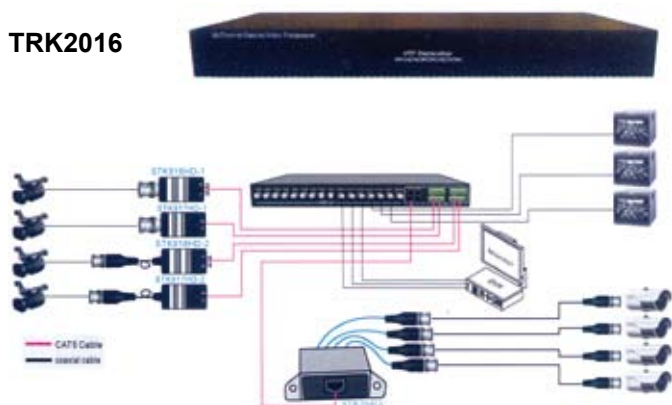
Features

- Weather-proof level reached IP65
- No power supply needed, simplify the wiring installation
- Plug-in and play, real-time transmission of colorful signals, clear and stable
- Transmission distance is 300 meters with passive devices, the distance can go up to 1500 meters with active transmission devices
- Superb anti-interference, transient suppression protection
- ABS engineering plastic housing, coaxial extension design, very convenient for project application
- Metric BNC Zinc-alloy coaxial interface, coaxial cable connection



Camera & Monitor Connector

TRK2016



Features

- Weather-proof level reached IP65
- No power supply needed, simplify the wiring installation
- Plug-in and play, real-time transmission of colorful signals, clear and stable
- Transmission distance is 300 meters with passive devices, the distance can go up to 1500 meters with active transmission devices
- Superb anti-interference, transient suppression protection
- 1U standard structure, high hardness and anti-corrosive metallic housing
- 16 channel reception and transmission

TRK204LL

ABS engineering plastic housing
With 15cm extension cable



TRK868DL

aluminium alloy housing



TRK204N

aluminium alloy housing



- Plug-in and play, real-time transmission of colorful signals, clear and stable
- Transmission distance is 0-900 meters with passive devices, the distance can go up to 1800 meters with active transmission devices
- Superb anti-interference, transient suppression protection, number dialing to adjust the distance, brightness adjusting knob
- 1U standard structure, high hardness and anti-corrosive metallic housing



TRK1610R



TRK351TR



TRK801TR



TRK301TR



TRK1804TR



TRK104AR



TRK108AR



TRF37

Single-channel video transmission, the transmission distance of 300-600 meters



TRF38

Single-channel video transmission, the transmission distance of 300-600 meters



TRF39

Single-channel video transmission, the transmission distance of 300-600 meters

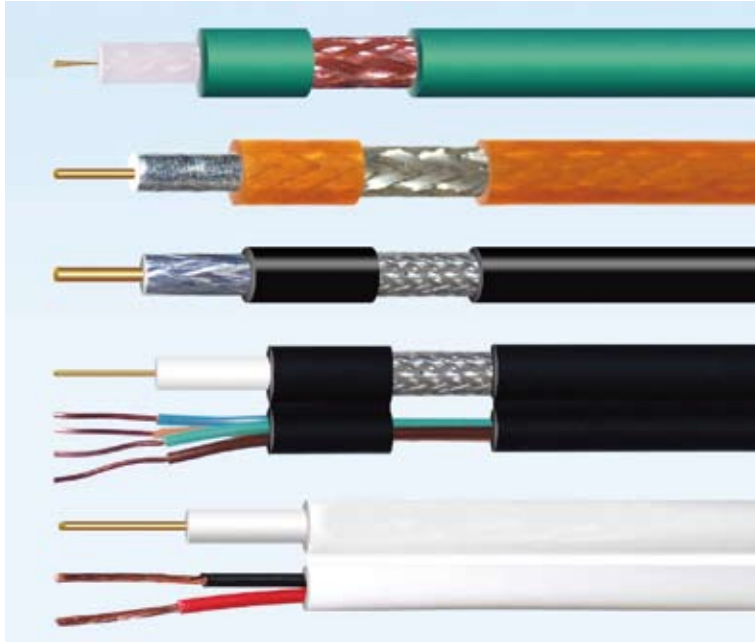


TRF40

Single-channel video transmission, the transmission distance of 300-600 meters



RG-59 ELECTRICAL CHARACTERISTICS



TR-A01	0.81CCS	3.66SFPE	AL/P	48*0.10CU	6.10PVC	
TR-A02	0.81CCS	3.66FPE	AL/P	128*0.12TC	6.10Tranparent Material Jacket	
TR-A03	0.81CCS	3.66FPE	BONDED FOIL	128*0.12AL	6.10PE	
TR-A04	0.81CU	3.66PE	/	128*0.12CCA	6.10PVC	2 Power Cable





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