

AdlerKabel® Copper Cables



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AdlerKabel® manufactures a comprehensive range of copper cables to cater for the telecommunication and industrial market sectors such as Telecommunication, Instrumentation, Process Control, Panel Wire and fire alarm.

AdlerKabel's key product line is:

- **Indoor Telephone**

~ Indoor cables are designed to interconnect telephone to PABXs or to interconnect switching equipment to underground cable via a main distribution frame (MDF). This category PVC sheathed wire and cable for use in buildings and equipment. It includes such types as: equipment wires, cross-connecting wires and switchboard cables. These cables can also incorporate screens such as copper braids, lap wire and aluminium polyester tapes

- **Control Cables**

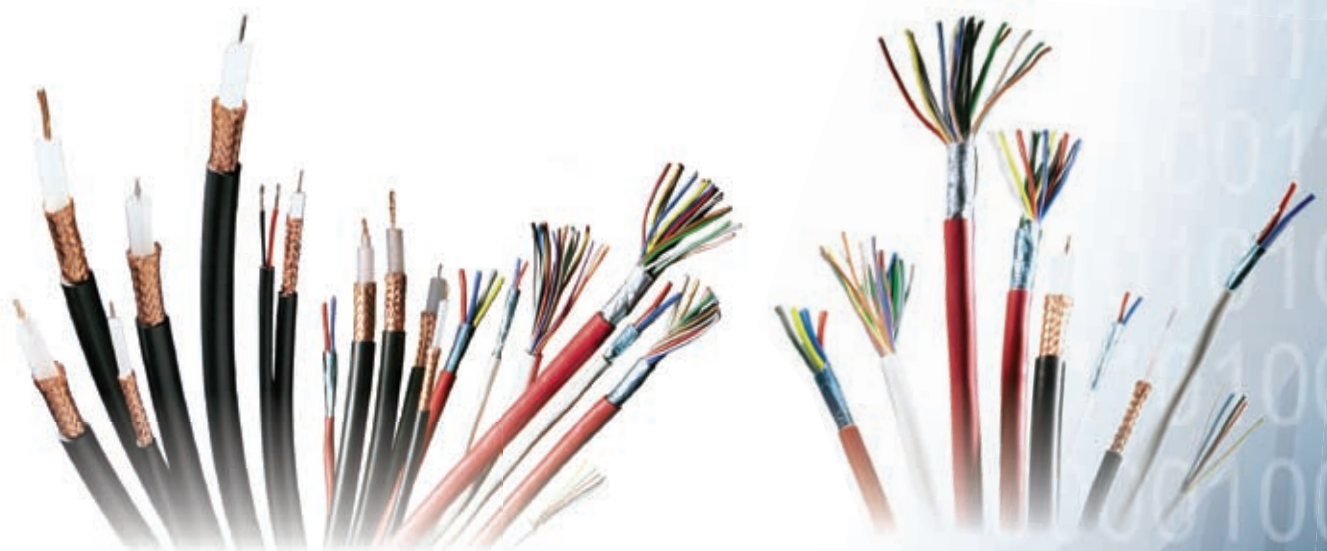
~ These cables are designed to provide the control connections for DC or AC networks with or without a fixed potential, with respect to earth as typically required in the process industries (petrochemical, steel, paper, cement, mining, glass, automated assembly, etc.).

- **Fire Alarm**

~ Fire alarm cable from AdlerKabel is distributed to a number of industries. Our fire alarm wire has many applications. Fire alarm cables may be used in smoke alarms and defectors, voice communications, addressable fire alarm systems, microprocessor controlled systems, pull boxes, burglar alarms, wiring of fire alarms, and fire protective circuits.

- **Instrumentation**

~ Instrumentation cables are used to interconnect instruments, sensors and monitors. These include a wide range of constructions from individual cores to multi pair or triad cables, with or without screening.



AdlerKabel® RG59 Video Cable

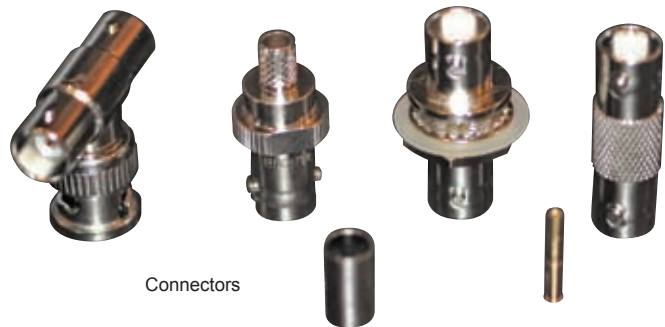


RG-59/U is a specific type of coaxial cable, often used for low-power video and RF signal connections. The cable has a characteristic impedance of 75 ohms. The 75 ohm impedance matches a dipole antenna in free space. RG-59 is often used at baseband video frequencies, such as composite video. It may also be used for broadcast frequencies, but its high-frequency losses are too high to allow its use over long distances.

RG-59 coaxial cable is commonly used for CCTV applications.

General Specifications

Application	Video
Cable Type	Series 59
Jacket Color	Black
Product Number	RG59 B/U
Center Conductor Gauge	20 AWG
Center Conductor Type	Solid
Packaging Type	Reel



Connectors

AdlerKabel® RG59 + 0.5mm Power Security Cable



Composite cable containing a RG59/U coaxial cable plus two core Power (one red, one black) for power feed. Suitable for CCTV/ Security-camera use where a power feed is required for the camera and/or pan/tilt mechanism

Advantages of RG59 + Power AdlerKabel cable are:

- Runs both video and power in one cable
- Video run in RG59 Coax cable
- Power run through 20 gauge pair
- Cable can be cut to exact length
- Works with twist-on, crimp-on, and compression BNC connectors
- Heavily shielded to minimize interference
- Available in Black Only

General Specifications

Application	Security/CCTV
Cable Type	RG59 + 0.5mm Power
Jacket Color	Black
Product Number	AKCM-RG59-01
Center Conductor Gauge	20 AWG
Center Conductor Type	Solid
Conductor Gauge, singles	18 AWG
Conductor Type, singles	Stranded
Packaging Type	Reel



Connectors

AdlerKabel® 2 pair Control Cable 1.5 Copper Conductors

AKCI 2302-MYL

Description

Two pair Control cable with 1.5mm² plain copper conductors, PVC insulated and twisted together in pairs and laid up with an overall Mylar® screen and a stranded tin copper drain wire, and a black or Gray PVC outer sheath.

Dimensions

- 1.5mm² plain copper (14 strands x 0.365mm diameter)
- Diameter 1.61mm
- Insulation PVC 70°C
- Colour coded
- Radial thickness 0.45mm
- Spark tested at 1000v DC
- Twisted diameter 2.5mm
- Lay length 75mm
- Bunched diameter 10mm
- Lay length 150mm
- 100% cover Mylar® Tape cover with drain wire
- Outer sheathing 70°C PVC
- Radial thickness 1.2mm
- Diameter 12.5mm
- Cable mass 15.5Kg per 100m

NOTE: The above figures are calculated values and could be different to the actual manufacturing figures. AdlerKabel reserves the right to change product specifications from time to time and / or enhancements and accepts no liability arising from any differences between the published parameters of this specification and the finished product.

AdlerKabel® Data cable 1 pair 0.5 MYL

AKDT 2001-MYL

Description

One pair computer cable 0.5mm² (20AWG) stranded tin copper conductors, PVC insulated and twisted together in pairs with an overall Mylar® screen and drain wire. The cable are then sheathed with a Gray PVC outer sheath.

Dimensions

- 0.5mm² tin copper (16 strands x 0.2mm diameter)
- Diameter 0.94mm
- Insulation PVC 70°C
- Colour coded
- Radial thickness 0.35mm
- Core diameter 1.65mm
- Spark tested at 1000v DC
- Twisted diameter 3.3mm
- Lay length 32 38mm
- 100% cover Mylar® Tape cover with drain wire
- Outer sheathing 70°C PVC
- Radial thickness 0.8mm
- Diameter 8.7mm
- Cable mass 9.7Kg per 100m

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AdlerKabel® Data cable 2 pair 0.22 MYL

AKDT 2402-MYL

Description

Two pair computer cable 0.22mm² stranded tin copper conductors, PVC insulated and twisted together in pairs. The pairs are then bunched together with an overall Mylar® screen and drain wire. The cables are then sheathed with a Gray PVC outer sheath.

Dimensions

- 0.22mm² tin copper (7 strands x 0.2mm diameter)
- Diameter 0.6mm
- Insulation PVC 70°C
- Colour coded
- Radial thickness 0.25mm
- Core diameter 1.11mm
- Spark tested at 1000v DC
- Twisted diameter 2.2mm
- Lay length 22 32mm
- Bunched diameter 4.0mm
- 100% cover Mylar® Tape cover with drain wire
- Outer sheathing 70°C PVC
- Radial thickness 0.55mm
- Diameter 5.1mm
- Cable mass 3.1Kg per 100m

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AdlerKabel® Data cable 4 pair 0.5 MYL

AKDT 2004-MYL

Description

Four pair computer cable 0.5mm² (20AWG) stranded tin copper conductors, PVC insulated and twisted together in pairs. The pairs are then bunched together with an overall Mylar® screen and drain wire. The cables are then sheathed with a Gray PVC outer sheath.

Dimensions

- 0.5mm² tin copper (16 strands x 0.2mm diameter)
- Diameter 0.94mm
- Insulation PVC 70°C
- Colour coded
- Radial thickness 0.35mm
- Core diameter 1.65mm
- Spark tested at 1000v DC
- Twisted diameter 3.3mm
- Lay length 32 38mm
- Bunched diameter 7.0mm
- 100% cover Mylar® Tape cover with drain wire
- Outer sheathing 70°C PVC
- Radial thickness 0.82mm
- Diameter 8.7mm
- Cable mass 9.7Kg per 100m

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AdlerKabel® Fire alarm 2core 0.5mm²

AKFR 1002

Description

Two core Fire Alarm cable with 0.5mm² plain copper conductors, PVC insulated and twisted together and laid up with an overall Mylar® screen and a stranded tin copper drain wire, and a Red FR PVC outer sheath.

Dimensions

- 0.5mm² plain copper (16 strands x 0.2mm diameter)
- Diameter 0.94mm
- Insulation PVC 70°C
- Colour coded
- Radial thickness 0.35mm
- Core diameter 1.65mm
- Spark tested at 1000v DC
- Twisted diameter 3.3mm
- Lay length 50mm
- 100% cover Mylar® Tape cover with drain wire
- Outer sheathing 70°C FRPVC
- Radial thickness 0.55mm
- Diameter 4.5mm
- Cable mass 3.1Kg per 100m

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AdlerKabel® Fire alarm 2 core 1.5mm²

AKFR 1002

Description

Two core Fire Alarm cable with 1.5mm² plain copper conductors, PVC insulated and twisted together and laid up with an overall Mylar® screen and a stranded tin copper drain wire, and a Red FR PVC outer sheath.

Dimensions

- 1.5mm² plain copper (14 strands x 0.365mm diameter)
- Diameter 1.61mm
- Insulation PVC 70°C
- Colour coded
- Radial thickness 0.4mm
- Spark tested at 1000v DC
- Twisted diameter 2.5mm
- Lay length 75mm
- 100% cover Mylar® Tape cover with drain wire
- Outer sheathing 70°C FRPVC
- Radial thickness 0.6mm
- Diameter 6.1mm
- Cable mass 5.9Kg per 100m

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