

# COMPOSITE VGA CABLE



VGA Composite cable is used for multiple purposes i.e. for temperature measuring, for pyrometer connection or signal transmission & for camera connection.

VGA Composite cable is specially designed for Pyrometer application. It is combination of thermocouple cable, VGA Cable and signal cable. In this cable centre wire is VGA cable and around this 1 pair of thermocouple cable and 9 cores of signal cable are twisted together.

## SPECIFICATIONS

VGA Cable	: Electrolytic Silver Plated Copper Clad Steel
Conductor Size	: AWG 26/7/34
Insulation	: FEP Insulated
Screening	: Silver Plated Copper Screen
Sheathing	: FEP Insulation
Thermocouple Cable ("K" Type Thermocouple Cable)	
Conductor	: "K" Type Extension Cable
Conductor Size	: 0.75 Sq. mm
Signal Cable (9 Core)	
Conductor	: Annealed Tinned Plated Copper
Conductor Size	: 0.75 Sqmm
Insulation	: Silicon Insulated
Overall Jacket	: Silicon Sheathed

## FEATURES

- ✓ Used for Multiple Purpose
- ✓ Operating Temp. Range : 200°C
- ✓ Diameter : - 14.00 mm
- ✓ Conductor resistance (VGA Cable) :- 140ohms/Km (Max.)
- ✓ Thermocouple Conductor Resistance at 20°C : - 1.35 KOhm/Km(For Loop)
- ✓ Conductor Resistance (Signal Cable) :- 26.0 Ohm/Km (Max.)
- ✓ Voltage Grade : 300 Volt

# FHSNA4004RE

## FLAT HEATING CABLE



It is special designed flat cable named SEMOT heater. It is also known as Heat tracer. In this special cable 4 heating conductor parallelly are sheathed by silicon insulation. According to resistance different Sqmm of heating wire are used with fiber thread

### SPECIFICATIONS

Heating Wire	:	Nickel- Chrome Wire
Heating element Insulation	:	Silicon Insulation
Dimension	:	10.00 MM X 4.00 MM
Permissible surface temp	:	-40°C to 200°C

### FEATURES

- ✓ Very flexible
- ✓ Maximum heat transfer
- ✓ Damp-Proof
- ✓ Extended range of length and power rating
- ✓ Excellent durability

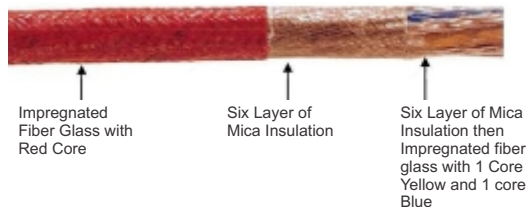
### ORDERING CODE

Type of Insulation	Type of Conductor	Conductor Size(AWG)	Number Of Element	Color
(FHS)	(NA)	(XX)	(XX)	(XX)
		40	02	RE
		38	03	YE
		36	04	BK
		34	05	BL
		32	06	GN

**Note :** RE (Red), YE (Yellow), BK (Black), BL (Blue), GN (Green)

# HTMINPC10RE

## HIGH TEMPERATURE CABLE



### High Temperature Cable

Tempsens provide high temperature with fire resistance cable. It has excellent features to resist against fire. In this type of cable, 6 times of Mica tapping works as a fire barrier tape & having coloured fiber glass sheathed at outer sheath.

### SPECIFICATIONS

Conductor Type	: Electrolytic Stranded Nickel Plated Copper Conductor
Conductor Size	: 4.00 Sqmm
Insulation Material	: 6 times Mica Tapping & Impregnated colored Fiber Glass Insulation
Filler Material	: High Temperature fiber glass filler
Outer Sheath	: >6 times of Mica Tapping / Impregnated colored fiber glass.

### FEATURES

- ✓ Operating Temp. Range : 700°C
- ✓ Zero Flame Cable
- ✓ Excellent Resistance against Fire
- ✓ Excellent Resist against chemical and corrosion.
- ✓ Excellent fire retardant properties
- ✓ Voltage Grade : 1100 Volt
- ✓ Excellent Dielectric Strength
- ✓ Excellent Abrasion Resistance
- ✓ Colored fiber glass sheathed

### ORDERING CODE

Type of Insulation	Type of Conductor	Conductor Size(AWG)	Number Of Core	Color
(HT-MI)	(XXX)	(XX)	(XX)	(XX)
	BC0 NPC SPC PN0	18 16 14 12 10	04 06 07	RE YE BK BL GN

**Note :** BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper), Pn0 (Pure Nickel)

RE (Red), YE (Yellow), BK (Black), BL (Blue), GN (Green)

# LTFBC02406T

## LOAD CELL CABLE



Tempsens provide Load cell cables generally of 4 cores and 6 cores. In industries multiple load cells are need to be connected together by Parallel or serial connection for that Load cell cables are required. A six wire load cell cable, besides having +/- excitation and +/- signal lines also has +/- sense lines. It is a common misconception that the possibility to sense the actual voltage at the load cell is the only difference between 4 wire and 6 wire load cell cable.

### SPECIFICATIONS

Conductor Type	: Electrolytic Stranded Annealed Bare Copper Conductor, Tinned Plated Copper, Nickel Plated Copper, Silver Plated Copper
Conductor Size	: AWG 24,22,20,18
Insulation Material	: PVC / PTFE / PE
Isolator	: Polyimide Tape / Polyester Tape
Foil Shield (Optional)	: Aluminum foil with drain wire
Overall Metal Shielding	: Tinned Plated Copper Shielding / Bare Copper Shielding

### FEATURES

- ✓Operating Temp. Range : For PVC Cable up to 85°C
- ✓Operating Temp. Range : For PTFE Cable up to 260°C
- ✓Conductor Resistance at 20°C : - As per Table 4
- ✓RFI and EMI protected
- ✓Water Resistance
- ✓Excellent durability
- ✓Custom design
- ✓Voltage Grade : 300 Volt
- ✓Superior chemical and abrasion resistance.

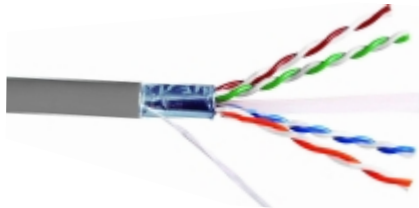
### ORDERING CODE

Type of Insulation	Type of Conductor	Conductor Size(AWG)	Number Of Core	Cable Formation
(LXX)	(XXX)	(XX)	(XX)	(X)
P0 PE T0 TF	BC0 NPC TPC SPC	24 22 20 18 16	04 06 07	T-(Twisted)

**Note :** P0 (PVC), PE (Polyethylene), T0 (PTFE), TF (FEP)  
BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper)

# MDPETPC224G

## MODBUS CABLE



Modbus provides a master/slave communication between intelligent automation devices. the Modbus cable has an increased jacket thickness to ensure a correct termination into the Modbus connectors.

Pair No.	Colour
1	White & Blue
2	White & Orange
3	White & Green
4	White & Brown

### SPECIFICATIONS

Conductor Type	: Electrolytic Stranded Annealed Tinned Copper Conductor
Conductor Size	: AWG 22/7/30, Stranded
Insulation Material	: HDPE Insulation
Outer Shield Material	: Aluminum Foil-Polyester Tape with 100% Coverage Area
Drain Wire Material	: Annealed Tinned Copper
Drain wire Size	: 7 X 0.30 mm (0.50 Sq. mm)
Outer Sheath	: PVC / FR PVC / FRLS PVC
Outer Sheath Color	: Grey / Blue

### FEATURES

- ✓ Storage Temp. Range : -20°C to 75°C
- ✓ Installation Temp. Range : 0°C to 60°C
- ✓ Operating Temp. Range : -20°C to 60°C
- ✓ Capacitance (Conductor To Conductor) - 11 pF/ft
- ✓ Capacitance (Conductor To Shield) - 21 pF/ft
- ✓ Nominal Velocity of Propagation : - 78%
- ✓ Voltage Grade : 300 Volt
- ✓ Impedance : - 120 Ohm
- ✓ DC Resistance at 20°C : 56.10 Ohms / Km.(Max.)

### ORDERING CODE

### Type of Insulation

### Type of Conductor

### Conductor Size(AWG)

### Number Of Core

### Color

#### Note :

- BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper)
- RE (Red), YE (Yellow), BK (Black), BL (Blue), GN (Green)

(MD-PE)

(XXX)

(XX)

(XX)

(XX)

BC0  
NPC  
SPC  
PNO

18  
16  
14  
12  
10

04  
06  
07

RE  
YE  
BK  
BL  
GN

# VGATFSPC24B

## VGA CABLE



A VGA (Video Graphics Array) cable is a lead used for transmitting video signals, and it is most commonly used to link computers with monitors. Some high definition televisions use this type of cable as well. They carry analog signals rather than digital signals. It supports resolutions of up to 640 by 480 pixels, or the smallest elements in a digital image. Tempsens provide VGA cable with wide temperature range up to 260 °C.

### SPECIFICATIONS

Conductor Type	: Electrolytic Stranded Silver Plated Copper Conductor
Conductor Size	: AWG 26, 24, 22, 20
Insulation Material	: PTFE / FEP Insulation
Shielding	: Silver Plated Copper Shielding (With > 80% Coverage Area)
Outer Sheath	: PTFE Insulation
Outer Sheath Color	: White / Black

### FEATURES

- ✓ Operating Temp. Range : -267°C to 260°C
- ✓ Voltage Grade : 300 Volt
- ✓ Support up to 16 different colors in digital images
- ✓ Support resolution up to 640 X 480 pixels
- ✓ Excellent signal transmission rate for a short distance
- ✓ Excellent Resist to oil, chemical & a water
- ✓ Excellent Abrasion Resistance
- ✓ Excellent durability

### ORDERING CODE

	Cable Type	Type of Insulation	Type of Conductor	Conductor Size(AWG)	Color
	(VGA)	(XX)	(XXX)	(XX)	(X)
<b>Note :</b>		T0 TF	BC0 NPC SPC PN0	26 24 22 20	B W
• T0 (PTFE), TF (FEP)					
• BC0 (Bare Copper), NPC (Nickel Plated Copper), TPC (Tin Plated Copper), SPC (Silver Plated Copper)					
• B (Black), W (White)					

# RG11APEBC0B

## RG 11/U CABLE (ARMOURED)



RG-11/U is also available with Galvanized Iron armoring. Armouring is provided for better mechanical strength.

### SPECIFICATIONS

Conductor Type	: Electrolytic Solid Annealed Bare Copper Conductor
Conductor Size	: AWG 14 (1.63 mm)
Insulation Material	: Solid PE Insulation
Outer Shield Material	: Aluminum Foil + Aluminum Alloy Braiding
Inner Sheath	: PVC / FR PVC / FRLS PVC
Armouring	: Galvanized Iron Round wire 0.90 mm
Outer Sheath	: PVC / FR PVC / FRLS PVC
Outer Sheath Color	: Black

### ORDERING CODE

RG - 11 - A - PE - (XXX) - B



**Type of  
Conductor**

BC0  
TPC  
CCS

#### Note :

- BC0 (Bare Copper), TPC (Tin Plated Copper), CCS (Copper Clad Steel)

### FEATURES

- ✓ Installation Temp. Range : 0°C to 60°C
- ✓ Operating Temp. Range : -20°C to 80°C
- ✓ Diameter : - 15.00 mm
- ✓ Conductor Resistance at 20°C : - 8.6 Ohm/Km
- ✓ Attenuation (dB/Km) At 50 MHZ : - 3.2
- ✓ Attenuation (dB/Km) At 100 MHZ : - 4.5
- ✓ Attenuation (dB/Km) At 200 MHZ : - 7.2
- ✓ Capacitance : - 57pF/Km
- ✓ Voltage Grade: 300 Volt
- ✓ Impedance : - 75 Ohm +/- 3 Ohm

# RG11UPEBC0B

## RG 11/U CABLE



RG 11/U Coaxial Cable is ideal for improved audio and video performance in home theater applications. End-users of RG 11/U Coaxial Cables benefit from higher signal quality for television, cable and internet transmission and increased safety.

### ORDERING CODE

RG - 11 - U - PE - (XXX) - B

**Type of  
Conductor**

BC0  
TPC  
CCS

#### Note :

- BC0 (Bare Copper), TPC (Tin Plated Copper), CCS (Copper Clad Steel)

### SPECIFICATIONS

Conductor Type	: Electrolytic Solid Annealed Bare Copper Conductor
Conductor Size	: AWG 14 (1.63 mm)
Insulation Material	: Solid PE Insulation
Outer Shield Material	: Aluminum Foil + Aluminum Alloy Braiding
Outer Sheath	: PVC / FR PVC / FRLS PVC
Outer Sheath Color	: Black

### FEATURES

- ✓ Installation Temp. Range : 0°C to 60°C
- ✓ Operating Temp. Range : -20°C to 80°C
- ✓ Diameter : - 10.00 mm
- ✓ Conductor Resistance at 20°C : - 8.6 Ohm/Km
- ✓ Attenuation (dB/Km) At 50 MHZ : - 3.2
- ✓ Attenuation (dB/Km) At 100 MHZ : - 4.5
- ✓ Attenuation (dB/Km) At 200 MHZ : - 7.2
- ✓ Capacitance : - 57pF/Km
- ✓ Voltage Grade : 300 Volt
- ✓ Impedance: - 75 Ohm +/- 3 Ohm



## RG59APEBC0B

### RG 59/U CABLE (ARMOURED)



RG-59/U is also available with Galvanized Iron armouring. Armouring is provided for better mechanical strength.

#### SPECIFICATIONS

Conductor Type	: Electrolytic Solid Annealed Bare Copper Conductor
Conductor Size	: AWG 22 (0.64 mm)
Insulation Material	: Solid PE Insulation
Outer Shield Material	: Bare Copper Braiding
Inner Sheath	: PVC / FR PVC / FRLS PVC
Armouring	: Galvanized Iron Round wire 0.90 mm
Outer Sheath	: PVC / FR PVC / FRLS PVC
Outer Sheath Color	: Black

#### ORDERING CODE

RG - 59 - A - PE - (XXX) - B

↓  
**Type of  
Conductor**

BC0  
TPC  
CCS

#### Note :

- BC0 (Bare Copper), TPC (Tin Plated Copper), CCS (Copper Clad Steel)

#### FEATURES

- ✓ Installation Temp. Range : 0°C to 60°C
- ✓ Operating Temp. Range : -20°C to 80°C
- ✓ Diameter : - 11.00 mm
- ✓ Conductor Resistance at 20°C : - 26.1 Ohm/Km
- ✓ Attenuation (dB/Km) At 50 MHZ : - 7.8
- ✓ Attenuation (dB/Km) At 100 MHZ : - 11.3
- ✓ Attenuation (dB/Km) At 200 MHZ : - 16.5
- ✓ Capacitance : - 67pF/Km
- ✓ Voltage Grade : 300 Volt
- ✓ Impedance : - 75 Ohm +/- 3 Ohm

# RG59UPEBC0B

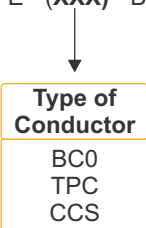
## RG 59/U CABLE



RG-59/U is a specific type of coaxial cable, often used for low-power video and RF signal connections. Used to carry base band video in close circuit television previously used for cable television and CCTC camera. In general, it has poor shielding but will carry an HQ HD signal or video over short distance. Armouring is provided for better mechanical strength.

### ORDERING CODE

RG - 59 - U - PE - (XXX) - B



#### Note :

- BC0 (Bare Copper), TPC (Tin Plated Copper), CCS (Copper Clad Steel)

### SPECIFICATIONS

Conductor Type	: Electrolytic Solid Annealed Bare Copper Conductor
Conductor Size	: AWG 22
Insulation Material	: Solid PE Insulation
Outer Shield Material	: Aluminum Foil + Aluminum Alloy Braiding
Outer Sheath	: PVC / FR PVC / FRLS PVC
Outer Sheath Color	: Black

### FEATURES

- ✓ Installation Temp. Range : 0°C to 60°C
- ✓ Operating Temp. Range : -20°C to 80°C
- ✓ Diameter : - 6.10 mm
- ✓ Conductor Resistance at 20 °C : - 26.1 Ohm/Km
- ✓ Attenuation (dB/Km) At 50 MHZ : - 7.1
- ✓ Attenuation (dB/Km) At 100 MHZ : - 11.3
- ✓ Attenuation (dB/Km) At 200 MHZ : - 16.5
- ✓ Capacitance : - 67pF/Km
- ✓ Voltage Grade : 300 Volt
- ✓ Impedance : - 75 Ohm +/- 3 Ohm