



## Voltan Shielded & Unshielded Cable

Built to Connect. Made to Last

# TECHNICAL SPECIFICATION

Conductor : Material High Conductivity Copper (HCC) or Oxygen-Free Copper (OFC)

Conductor Gauge : 12 AWG / 14 AWG / 16 AWG / 18 AWG / 22 AWG

Number of Conductors : 2 Core (Bi-wire options available)

Insulation Material :Low Smoke Zero Halogen (LSZH), PVC or PE

Jacket Material :LSZH (Low Smoke Zero Halogen) or PVC

Shielding : Unshielded or Shielded (Foil/ Braid)

Capacitance :  $\leq 120$  pF/m,

Impedance:  $8 \Omega$  nominal

Operating Temperature : -30°C to +80°C

Voltage Rating : 300 V

Standards Compliance: IEC, RoHS, CE

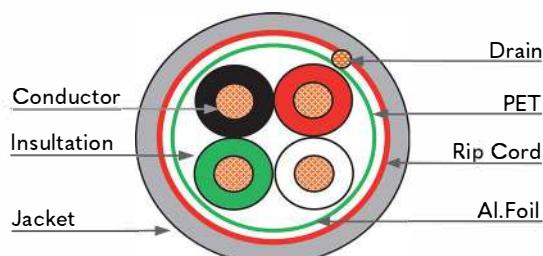
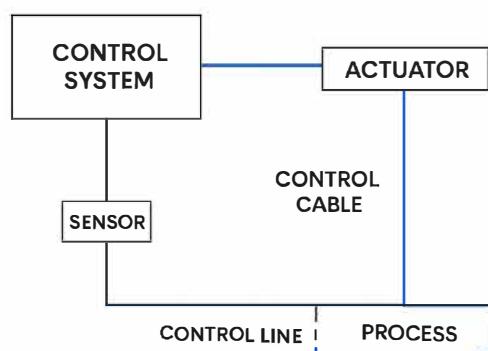
Length Options : Standard Rolls: 100m, 305m

## Certifications & Compliance

- IEC, RoHS, CE, ISO 9001 Manufacturing Standards

## INSIGHTS

### SYSTEM ARCHITECTURE OF CONTROL CABLE



Voltan Technologies designs high-performance connectivity solutions tailored for AV experts, system integrators, and industrial teams operating in residential, commercial, and manufacturing sectors. Our control cables combine rugged durability with effortless integration—offering shielded variants for interference-prone environments and budget-friendly unshielded options for streamlined installations. With Voltan, you get engineering precision and adaptable performance built to meet real-world demands.



## TYPICAL APPLICATION

Unshielded cables are commonly used in environments where electromagnetic interference (EMI) is minimal. At 12 AWG, they serve well in residential and commercial wiring for outlets, lighting, and general power distribution. The 14 to 16 AWG range is ideal for control circuits and low-power devices in homes and offices, while 18 to 22 AWG cables are typically reserved for signal transmission, data lines, and small control circuits where interference is not a major concern.

Shielded cables, on the other hand, are designed for high-EMI environments where signal integrity is critical. The 12 AWG variant is perfect for industrial control systems, offering stable performance under demanding conditions. Cables in the 14 to 16 AWG range are frequently used in data centers, communication networks, and automation setups requiring robust EMI protection. For sensitive signal and data applications, 18 to 22 AWG shielded cables provide reliable shielding to ensure clean transmission.

## PRODUCT FEATURES

### Unshielded Cables

Designed for standard electrical and control applications, unshielded cables offer:

**Affordability** : A cost-effective choice for everyday setups.

**Flexibility & Lightweight Build** : Easy to handle and install, especially in simple configurations.

**Versatility** : Suitable for a wide range of general-purpose uses.

**PVC** : Provides mechanical protection and flexibility—ideal for indoor environments.

**LSZH (Low Smoke Zero Halogen)** : Flame-retardant and non-toxic, perfect for public buildings and enclosed spaces

**PE (Polyethylene)** : Offers strong chemical resistance and durability for outdoor or demanding conditions.

### Shielded Cables

Engineered for environments with electrical noise or interference, shielded cables deliver:

**EMI Protection** : Shielding layers minimize electromagnetic interference.

**Signal Integrity** : Maintains reliable data transmission in noisy settings.

**Durability & Reliability** : Built to perform consistently in harsh or industrial environments.

**PVC** : Combines shielding with flexibility and protection—suited for industrial use.

**LSZH** : Enhances safety by reducing smoke and toxic emissions during fire events.

**PE** : Ensures maximum resistance to environmental stressors—ideal for rugged, outdoor applications.

# WHY CHOOSE OUR UNSHIELDED & SHIELDED CABLES?

Our unshielded cables are crafted to deliver reliable, cost-effective solutions for everyday electrical installations. They are ideal for environments where electromagnetic interference is minimal, offering simplicity and flexibility. With a wide range of gauges, they cater to various applications, from residential wiring to basic control systems.

Our shielded cables are designed for the most demanding environments where signal integrity and reliability are paramount. With advanced shielding technology, they effectively combat electromagnetic interference, ensuring clean and stable signal transmission. Our shielded cables provide durability and long-term performance, making them the go-to choice for industrial, data, and communication applications.

# ORDER INFORMATION

## 12 AWG

### Shielded

2,3,4,6,8C - 12 AWG Shielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VSC212L	2 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC312L	3 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC412L	4 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC612L	6 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC812L	8 Core, 12 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
2,3,4,6,8C - 12 AWG Shielded Multi Conductor Cable PVC Sheath	
VSC212P	2 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC312P	3 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC412P	4 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC612P	6 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC812P	8 Core, 12 AWG Shielded Multi Conductor cable, PVC 305M / Roll
2,3,4,6,8C - 12 AWG Shielded Multi Conductor Cable PE Sheath	
VSC212PE	2 Core, 12 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC312PE	3 Core, 12 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC412PE	4 Core, 12 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC612PE	6 Core, 12 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC812PE	8 Core, 12 AWG Shielded Multi Conductor cable, PE 305M / Roll

### Unshielded

2,3,4,6,8C - 12 AWG Unshielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VC212L	2 Core, 12 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC312L	3 Core, 12 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC412L	4 Core, 12 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC612L	6 Core, 12 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC812L	8 Core, 12 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll

2,3,4,6,8C - 12 AWG Unshielded Multi Conductor Cable PVC Sheath	
VC212P	2 Core, 12 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC312P	3 Core, 12 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC412P	4 Core, 12 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC612P	6 Core, 12 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC812P	8 Core, 12 AWG Unshielded Multi Conductor cable, PVC 305M / Roll

## 14 AWG

### Shielded

2,3,4,6,8C - 14 AWG Shielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VSC214L	2 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC314L	3 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC414L	4 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC614L	6 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC814L	8 Core, 14 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
2,3,4,6,8C - 14 AWG Shielded Multi Conductor Cable PVC Sheath	
VSC214P	2 Core, 14 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC314P	3 Core, 14 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC414P	4 Core, 14 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC614P	6 Core, 14 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC814P	8 Core, 14 AWG Shielded Multi Conductor cable, PVC 305M / Roll
2,3,4,6,8C - 14 AWG Shielded Multi Conductor Cable PE Sheath	
VSC214PE	2 Core, 14 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC314PE	3 Core, 14 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC414PE	4 Core, 14 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC614PE	6 Core, 14 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC814PE	8 Core, 14 AWG Shielded Multi Conductor cable, PE 305M / Roll

## Unshielded

2,3,4,6,8C - 14 AWG Unshielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VC214L	2 Core, 14 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC314L	3 Core, 14 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC414L	4 Core, 14 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC614L	6 Core, 14 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC814L	8 Core, 14 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
2,3,4,6,8C - 14 AWG Unshielded Multi Conductor Cable PVC Sheath	
VC214P	2 Core, 14 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC314P	3 Core, 14 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC414P	4 Core, 14 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC614P	6 Core, 14 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC814P	8 Core, 14 AWG Unshielded Multi Conductor cable, PVC 305M / Roll

## 16 AWG

### Shielded

2,3,4,6,8C - 16 AWG Shielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VSC216L	2 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC316L	3 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC416L	4 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC616L	6 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC816L	8 Core, 16 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
2,3,4,6,8C - 16 AWG Shielded Multi Conductor Cable PVC Sheath	
VSC216P	2 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC316P	3 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC416P	4 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC616P	6 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC816P	8 Core, 16 AWG Shielded Multi Conductor cable, PVC 305M / Roll

**2,3,4,6,8C - 16 AWG Shielded Multi Conductor Cable PE Sheath**

VSC216PE	2 Core, 16 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC316PE	3 Core, 16 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC416PE	4 Core, 16 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC616PE	6 Core, 16 AWG Shielded Multi Conductor cable, PE 305M / Roll
VSC816PE	8 Core, 16 AWG Shielded Multi Conductor cable, PE 305M / Roll

**Unshielded****2,3,4,6,8C - 16 AWG Unshielded Multi Conductor Cable LSZH Sheath**

Part No.	Description
VC216L	2 Core, 16 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC316L	3 Core, 16 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC416L	4 Core, 16 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC616L	6 Core, 16 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC816L	8 Core, 16 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll

**2,3,4,6,8C - 16 AWG Unshielded Multi Conductor Cable PVC Sheath**

VC216P	2 Core, 16 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC316P	3 Core, 16 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC416P	4 Core, 16 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC616P	6 Core, 16 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC816P	8 Core, 16 AWG Unshielded Multi Conductor cable, PVC 305M / Roll

**2,3,4,6,8C - 16 AWG Unshielded Multi Conductor Cable PE Sheath**

VC216PE	2 Core, 16 AWG Unshielded Multi Conductor cable, PE 305M / Roll
VC316PE	3 Core, 16 AWG Unshielded Multi Conductor cable, PE 305M / Roll
VC416PE	4 Core, 16 AWG Unshielded Multi Conductor cable, PE 305M / Roll
VC616PE	6 Core, 16 AWG Unshielded Multi Conductor cable, PE 305M / Roll
VC816PE	8 Core, 16 AWG Unshielded Multi Conductor cable, PE 305M / Roll

## 18 AWG

### Shielded

2,3,4,6,8C - 18 AWG Shielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VSC218L	2 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC318L	3 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC418L	4 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC618L	6 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC818L	8 Core, 18 AWG Shielded Multi Conductor cable, LSZH 305M / Roll

2,3,4,6,8C - 18 AWG Shielded Multi Conductor Cable PVC Sheath	
Part No.	Description
VSC218P	2 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC318P	3 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC418P	4 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC618P	6 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC818P	8 Core, 18 AWG Shielded Multi Conductor cable, PVC 305M / Roll

### Unshielded

2,3,4,6,8C - 18 AWG Unshielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VC218L	2 Core, 18 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC318L	3 Core, 18 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC418L	4 Core, 18 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC618L	6 Core, 18 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC818L	8 Core, 18 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll

2,3,4,6,8C - 18 AWG Unshielded Multi Conductor Cable PVC Sheath	
Part No.	Description
VC218P	2 Core, 18 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC318P	3 Core, 18 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC418P	4 Core, 18 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC618P	6 Core, 18 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC818P	8 Core, 18 AWG Unshielded Multi Conductor cable, PVC 305M / Roll

## 20 AWG

### Shielded

2,3,4,6,8C - 20 AWG Shielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VSC220L	2 Core, 20 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC320L	3 Core, 20 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC420L	4 Core, 20 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC620L	6 Core, 20 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC820L	8 Core, 20 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
2,3,4,6,8C - 20 AWG Shielded Multi Conductor Cable PVC Sheath	
VSC220P	2 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC320P	3 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC420P	4 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC620P	6 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC820P	8 Core, 20 AWG Shielded Multi Conductor cable, PVC 305M / Roll

### Unshielded

2,3,4,6,8C - 20 AWG Unshielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VC220L	2 Core, 20 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC320L	3 Core, 20 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC420L	4 Core, 20 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC620L	6 Core, 20 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC820L	8 Core, 20 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
2,3,4,6,8C - 20 AWG Unshielded Multi Conductor Cable PVC Sheath	
VC220P	2 Core, 20 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC320P	3 Core, 20 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC420P	4 Core, 20 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC620P	6 Core, 20 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC820P	8 Core, 20 AWG Unshielded Multi Conductor cable, PVC 305M / Roll

## 22 AWG

### Shielded

2,3,4,6,8C - 22 AWG Shielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VSC222L	2 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC322L	3 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC422L	4 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC622L	6 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
VSC822L	8 Core, 22 AWG Shielded Multi Conductor cable, LSZH 305M / Roll
2,3,4,6,8C - 22 AWG Shielded Multi Conductor Cable PVC Sheath	
VSC222P	2 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC322P	3 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC422P	4 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC622P	6 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll
VSC822P	8 Core, 22 AWG Shielded Multi Conductor cable, PVC 305M / Roll

### Unshielded

2,3,4,6,8C - 22 AWG Unshielded Multi Conductor Cable LSZH Sheath	
Part No.	Description
VC222L	2 Core, 22 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC322L	3 Core, 22 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC422L	4 Core, 22 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC622L	6 Core, 22 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
VC822L	8 Core, 22 AWG Unshielded Multi Conductor cable, LSZH 305M / Roll
2,3,4,6,8C - 22 AWG Unshielded Multi Conductor Cable PVC Sheath	
VC222P	2 Core, 22 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC322P	3 Core, 22 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC422P	4 Core, 22 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC622P	6 Core, 22 AWG Unshielded Multi Conductor cable, PVC 305M / Roll
VC822P	8 Core, 22 AWG Unshielded Multi Conductor cable, PVC 305M / Roll

# VOLTAN

Voltan Technology Limited stands as a dedicated leader in the electrical and electronics manufacturing industry, with a strong footprint across diverse sectors.

Recognized globally as a specialist in low voltage solutions, we operate from our headquarters in London, UK. Delivering advanced, efficient methodologies to meet the dynamic needs of our clients.

Our comprehensive portfolio includes UPS systems, LAN & Control cables, Network Racks, and IP enclosures. We are proud to support a wide array of industries, including government, hospitality, education, healthcare, utilities, media and entertainment.

## CONTACT US



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