

## Unscreened Single Pair Cable



### Cable structure

- Conductor: stranded tinned copper
- Insulation: PVC/LSZH
- Sheath: PVC/LSF/LSZH
- Sheath color: grey
- Picture shows CC84171

### Application

Unscreened single pair cable is mainly used in the application areas of instrumentation, audio and security, etc.

### Technical data

Part No.	Voltage rating	Temperature rating	Capacitance at 1kHz pF/m	Max Conductor Resistance Ohm/km
CC82105	300V	80°C	80.4	32.8
CC84142	300V	75°C	98.4	51.2
CC84171	300V	60°C	108.3	14.7

Part No.	NO. of Pairs x AWG	Diameter of strands mm	Outer Diameter mm	Cable Weight kg/km
CC82105	1x2xAWG20	0.320	4.57	25
CC84142	1x2xAWG22	0.254	4.32	22
CC84171	1x2xAWG16	0.287	6.95	54

## Screened Single Pair Cable



### Cable structure

- Conductor: stranded tinned copper
- Insulation: PE
- Screen: Al-PET and drain wire
- Sheath: PVC/LSZH
- Sheath color: grey
- Picture shows CC87160

### Application

Screened single pair cable is mainly used in the application areas of instrumentation, audio, security and data, etc. The screen feature makes it suitable to be used in the area where there protection against electrical interference is required.

### Technical data

Part No.	Voltage rating	Temperature rating	Capacitance at 1kHz pF/m	Max Conductor Resistance Ohm/km
CC84151	300V	75°C	111.5	47.6
CC87160	300V	60°C	97.8	21.3
CC87161	300V	60°C	78.7	52.5
CC87162	300V	60°C	88.6	31.2
CC87119	600V	80°C	75.0	14.7

Part No.	NO. of Pairs x AWG	Diameter of strands mm	Outer Diameter mm	Cable Weight kg/km
CC84151	1x2xAWG22	0.254	3.51	23
CC87160	1x2xAWG18	0.254	5.65	46
CC87161	1x2xAWG22	0.254	4.90	26
CC87162	1x2xAWG20	0.320	5.60	38
CC87119	1x2xAWG16	0.300	7.95	84

## Overall Screened Multi-core Cable



### Technical data

- **Voltage rating:** 300 V
- **Temperature rating:** 80 °C
- **Capacitance at 1 kHz:** 108 pF/m
- **Max. conductor resistance:** 85 Ohm/km
- **Picture shows CC95133**

### Cable structure

- Conductor: Stranded tinned copper
- Insulation: PVC/LSZH
- Screen: Al-PET and drain wire
- Sheath: PVC/LSF/LSZH
- Sheath color: grey

### Application

Overall screened multi-core cable is suitable for RS232 applications with protection against electrical interference.

Part No.	NO. of Pairs x AWG	Diameter of strands mm	Outer Diameter mm	Cable Weight kg/km
CC95133	3x2xAWG24	0.2	4.11	19
CC95134	4x2xAWG24	0.2	4.67	32
CC95136	6x2xAWG24	0.2	5.30	37
CC95138	8x2xAWG24	0.2	5.69	50
CC95140	10x2xAWG24	0.2	6.20	61
CC95141	15x2xAWG24	0.2	7.20	83

## Overall Screened Multi-pair Cable



### Technical data

- **Voltage rating:** 300 V
- **Temperature rating:** 80 °C
- **Capacitance at 1 kHz:** 98.4 pF/m
- **Max. conductor resistance:** 78.7 Ohm/km
- **Picture shows CC95103**

### Cable structure

- Conductor: stranded tinned copper
- Insulation: PVC/LSZH
- Screen: Al-PET and drain wire
- Sheath: LSF/LSZH
- Sheath color: grey

### Application

Overall screened multi-pair cable is suitable for use over long distances at high performance levels and where low signal disturbance is required, providing excellent protection against electrical interference.

Part No.	NO. of Pairs x AWG	Diameter of strands mm	Outer Diameter mm	Cable Weight kg/km
CC95102	2x2xAWG24	0.2	5.50	34
CC95103	3x2xAWG24	0.2	5.60	45
CC95104	4x2xAWG24	0.2	6.20	54
CC95106	6x2xAWG24	0.2	7.34	65
CC95108	8x2xAWG24	0.2	8.23	95
CC95110	10x2xAWG24	0.2	9.30	119

## Overall Foil and Braid Screened Cable



### Technical data

- **Voltage rating:** 300 V
- **Temperature rating:** 80 °C
- **Capacitance at 1 kHz:** 41.9 pF/m
- **Max. conductor resistance:** 78.1 Ohm/km
- **Picture shows CC98142**

### Cable structure

- **Conductor:** stranded tinned copper
- **Insulation:** PE
- **Screen:** Al-PET and drain wire
- **Braid:** tinned copper wire braid
- **Sheath:** PVC/LSF/LSZH
- **Sheath color:** grey

### Application

Overall foil and braid screened cable is suitable for RS485 applications, as it provides interference free and high speed data transmission

Part No.	NO. of Pairs x AWG	Diameter of strands mm	Outer Diameter mm	Cable Weight kg/km
CC98141	1x2xAWG24	0.2	5.89	54
CC98142	2x2xAWG24	0.2	8.64	92

## Individually Screened Multi-pair Cable



### Cable structure

- Conductor: stranded tinned copper
- Insulation: PP
- Screen: Al-PET
- Drain wire: tinned copper
- Optional armour
- Sheath: PE/LSF/LSZH
- **Picture shows CC87123 SWA**

### Application

Individually screened multi-pair cable is designed to ensure excellent protection from electrical interference and prevent cross-talk between pairs. It's mainly used in the application areas of instrumentation, audio and security and RS232, etc.

### Technical data

Part No.	Sheath	Sheath color	Voltage rating	Temperature rating
CC87123LSF	LSF	Grey	300V	-20°C to +80°C
CC87123PE	PE	Black	300V	-40°C to +80°C
CC87123SWA	PE	Black	300V	-40°C to +80°C
CC87123LSZH	LSZH	Grey	300V	-20°C to +60°C
CC87177LSF	LSF	Grey	300V	-20°C to +80°C
CC87178LSF	LSF	Grey	300V	-20°C to +80°C

Part No.	NO. of Pairs x AWG	Diameter of strands mm	Outer Diameter mm	Cable Weight kg/km
CC87123LSF	2x2xAWG22	0.254	4.27	30
CC87123PE	2x2xAWG22	0.254	4.27	30
CC87123SWA	2x2xAWG22	0.254	8.20	210
CC87123LSZH	2x2xAWG22	0.254	4.27	30
CC87177LSF	3x2xAWG22	0.254	6.93	65
CC87178LSF	6x2xAWG22	0.254	9.20	126

## Individually Screened Multi-pair RS422 Cable



### Technical data

- **Voltage rating:** 300 V
- **Temperature rating:** 80 °C
- **Capacitance at 1 kHz:** 50 pF/m
- **Max. conductor resistance:** 85 Ohm/km
- **Picture shows CC97130**

### Cable structure

- **Conductor:** stranded tinned copper
- **Insulation:** PE
- **Screen:** Al-PET and drain wire
- **Sheath:** PVC/LSF/LSZH
- **Sheath color:** grey

### Application

Individually screened multi-pair RS422 cable is a low capacitance cable, showing excellent protection against cross-talk and protection from electrical interference. It's mainly used in the application areas of instrumentation, audio and security and computer, etc.

Part No.	NO. of pairs x AWG	Diameter of strands mm	Outer Diameter mm	Cable Weight kg/km
CC97129	2x2xAWG24	0.2	7.4	55
CC97130	3x2xAWG24	0.2	8.1	68

## Twinaxial Cable



### Cable structure

- Conductor: stranded tinned copper; 1 stranded tinned copper and 1 stranded bare copper for CC92107
- Dielectric: PE
- Inner sheath: PE
- Screen:  
Al-PET and tinned copper wire braid; tinned copper wire braid for CC92172
- Sheath: LSF/LSZH
- Sheath color: black or blue
- **Picture shows CC92107**

### Application

These cables are now widely used in commercial applications for building management systems.

### Technical data

Part No.	Voltage rating	Temperature rating	Capacitance at 1kHz pF/m	Max Conductor Resistance Ohm/km
CC 92107	300V	80°C	47.5	34.0
CC 92172	300V	80°C	65	33.2
CC 94163	300V	80°C	65	31.2

Part No.	Conductor Construction No.x mm	Insulation Thickness mm	Outer Diameter mm	Cable Weight kg/km
CC 92107	7 x 0.32	0.5	8.4	89
CC 92172	7 x 0.32	0.5	6.2	58
CC 94163	7 x 0.32	0.5	6.2	58