

# POLYCAB

## CABLES ENGINEERED

for High-Speed Data  
Transmission



COMMUNICATION  
AND DATA CABLE

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Dear Customers,

The journey of over 4 decades would not have been as exciting and fulfilling without the unconditional support of all our customers & our sales partners, I would like to express our deep gratitude to you for you all have made Polycab as one of the outstanding companies in our industry.

The advent of the second millennium has brought in its wake a transformation in the mindset of the customers. The expectation of customer has risen exponentially. This trend is here to stay and we have to gear up towards keeping our customers totally satisfied.

Despite our rapid growth and elevation to the leadership position in the industry, the simplicity in Polycab's flexibility and openness to new market trends and changing technology continue to be our driving force. The core values of, simplicity, team work, trust amongst people, customer focus and meeting commitments have given us a unique position and respectability among the Indian industry, gearing up for the future and to keep winning in tomorrow's world, we have our well recognized market presence with a strong product portfolio, streamlined and efficient manufacturing capabilities to withstand the winds of change. But we will need to be even more proactive, agile and customer centric, We will need to anticipate the future and be ready with solutions, even before the customer asks for them.

There are many new challenges the cable industry is facing with new market opportunities and product

developments, due to thrust in renewable energy sector, we have enthusiastically achieved success towards developing and delivering products for this segment and at the same time ensured to be internationally competitive.

Polycab's business model is evolving. We have identified focus areas of growth over the next 5 years and beyond. Polycab will diversify into adjacent product categories such as Lighting, Luminaires, Switches, Switchgear, Electric Fans and Appliances in the near future, Polycab aspires to be a USD 1,580+ million company within the next 4-5 years.

We take this opportunity to thank you and convey our gratitude for the unabated support and trust you have

always reposed in Polycab and encouraged it to move ahead confidently. I am confident that this will keep us ahead and winning in our constant endeavor to continue to be the preferred brand in this competitive market.

We hope to improve each day to serve you better and spread happiness.

**INDER JAISINGHANI**  
Chairman & Managing Director



# About Polycab



**INDIA'S  
NO. 1**  
WIRES & CABLES  
COMPANY\*



**27**  
MANUFACTURING  
FACILITIES



**80+**  
EXPORT PRESENCE  
IN COUNTRIES



**MANUFACTURING  
CAPACITY**

- 6 MILLION KM OF CABLES
- 9 MILLION FANS
- 24 MILLION SWITCHGEARS
- 10 MILLION SWITCHES

- 500+ SERVICE CENTRES ACROSS INDIA
- NABL ACCREDITED LABORATORY
- R&D CENTRE UNDER MINISTRY OF INDUSTRIES

- IN-HOUSE FACILITY FOR SOFTWARE DEVELOPMENT
- STRONG DISTRIBUTION NETWORK OF 4,300+ AUTHORIZED DEALERS AND 200,000+ RETAIL OUTLETS 34 WAREHOUSES AND DEPOTS ACROSS INDIA

\*Check website for claim details

# Our Strength



# Introduction

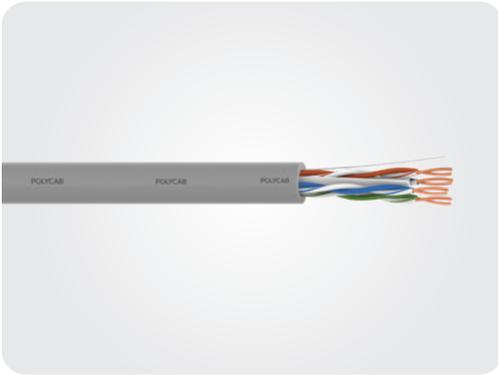


**Polycab offers qualified and reliable communication cables that help to transmit data and signals smoothly. These cables are used in homes, offices, and industries to keep systems connected and working well. Made with good-quality materials, Polycab cables are safe, long-lasting, and reduce signal loss. They are designed to meet high standards and work well in different environments. Whether it's for the internet, control systems, or general communication, Polycab cables are a smart and trusted choice.**



# Types of Cables

## LAN Cables



An improved structured cabling is always advisable for High Speed Gigabit networking system. Polycab CAT 6 and CAT 6A cables support and resolve all the constraints of Information Technology making remarkable difference in the network connectivity. Polycab's advanced technology offers CAT 6 and CAT 6A cables that support Gigabit Ethernet Standards and gives quality performance in transmission of High-Speed Data, Video and Voice streaming. Benefits like low signal loss and higher cable length in Gigabit Network. Polycab CAT 6 and CAT 6A cables are the smart move towards the future. Many data centres, hospitals, offices and business parks have updated, adapted and appreciated the quality and performance of Polycab CAT 6 and CAT 6A cables.

## CCTV Cables



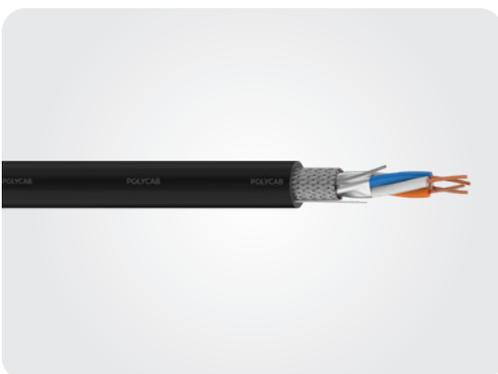
Polycab's advanced technology offers a high-performance CCTV composite cable that carries both audio and video signals along with a power supply provision. Camera and other necessary devices can be powered with the power core, which helps the surveillance system to be installed at remote places. The video signal will be transmitted to the monitor, followed by recording in the recorder. In the entertainment sector—covering television broadcasting, home entertainment systems, studios, and digital media distribution—signal quality and transmission reliability are critical. The 75 Ohm coaxial cable is the standard medium for these applications because it ensures accurate transmission of audio, video, and data signals with minimal loss or distortion.

## Coaxial Cables



Polycab Co-axial Cables are designed for high-frequency signal transmission with minimal loss and interference. Polycab has installed nitrogen gas-injected polyethylene foam lines and is supplying RG11, RG6, and RG59 cables in the CATV market with the best quality.

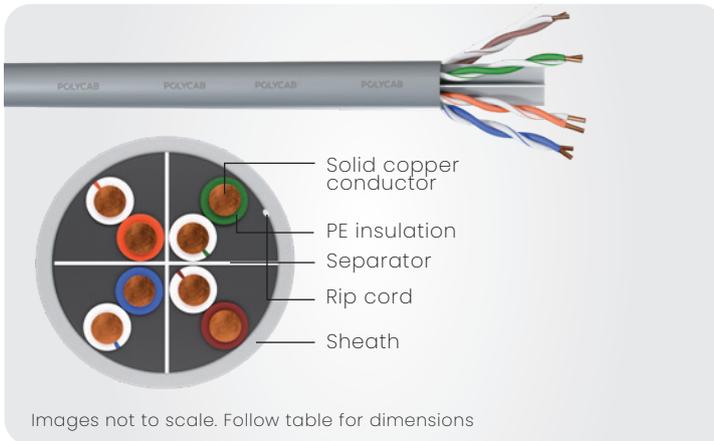
## RS 485 Cables



High quality data transmission is essential to make the backbone of communication systems, industrial automation, IT Networks, and building management systems. Polycab data cable viz, RS 485, LiYCY, and other data transmission cables are designed to support the modern networking system without signal distortion and failure.

## POLYCAB CAT 6 UTP, LAN

### 4 Pair X 23 AWG, Ethernet Cable



#### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type - 1 as per ISO/IEC/IEEE 8802 - 2017 Cl.33
- PoE Type - 2 as per ISO/IEC/IEEE 8802 - 2017 Cl.33
- PoE Type - 3 as per ISO/IEC/IEEE 8802 - 2017 Cl.33

#### CHARACTERISTICS

##### Cable Description:

- 23AWG x 4 Pair Unshielded Twisted Pair (UTP)
- Transmission frequency 1 to 250 MHz

#### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded FR PVC sheath
- **Overall diameter:** 6±1

#### CORE IDENTIFICATION

- **1 Pair:** Blue - White/Blue
- **2 Pair:** Orange - White/Orange
- **3 Pair:** Green - White/Green
- **4 Pair:** Brown - White/Brown

#### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

#### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

#### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC - 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

#### APPROVALS



#### NOTES

This cable is also available with LSZH outer sheath.

##### Packing Length:

100/305 meter with grey outer sheath  
305 meters with blue outer sheath  
305 meters with yellow outer sheath

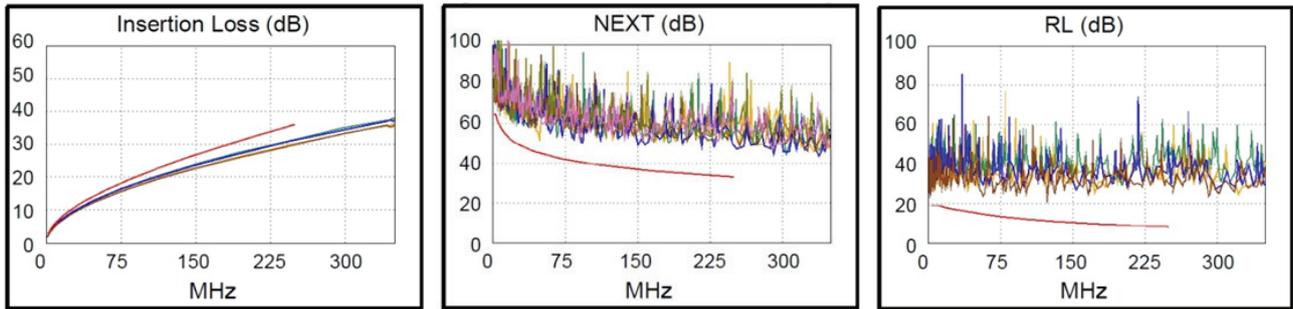


#### OUR ACCREDITATIONS



# POLYCAB CAT 6 UTP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



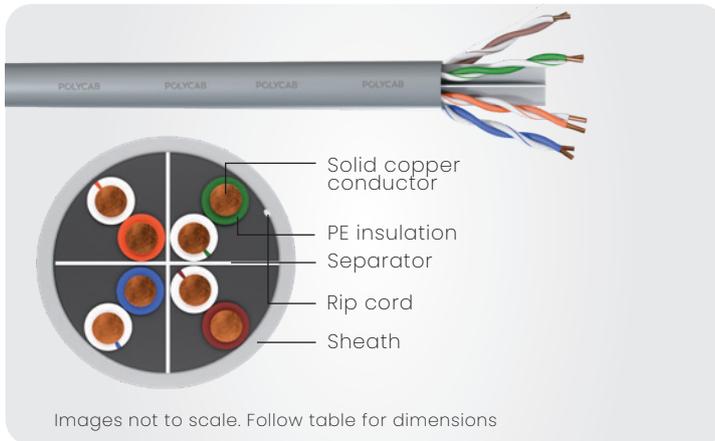
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @250 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @250 MHz	<538 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.1	65	62	63.3	60.3	19	40
4	4	63	60.5	51.2	48.2	19	40
8	5.7	58.2	55.6	45.2	42.2	19	36.5
10	6.3	56.6	54	43.3	40.3	19	35
16	8	53.2	50.6	39.2	36.2	18	31.9
20	9	51.6	49	37.2	34.2	17.5	30.5
25	10.1	50	47.3	35.3	32.3	17	29
31.25	11.4	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.5	43.4	40.6	27.3	24.3	14	23.8
100	21.3	39.9	37.1	23.3	20.3	12	20
200	31.5	34.8	31.9	17.2	14.2	9	15.5
250	35.9	33.1	30.2	15.3	12.3	8	14

# POLYCAB CAT 6A UTP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

### APPROVALS



### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

### CHARACTERISTICS

#### Cable Description:

- 23AWG x 4 Pair Unshielded Twisted Pair (UTP)
- Transmission frequency 1 to 500 MHz

### CONSTRUCTION

- **Conductor:** Solid/stranded bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded FR PVC sheath
- **Overall diameter:** 6.6±1

### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length:

305 meters with grey outer sheath

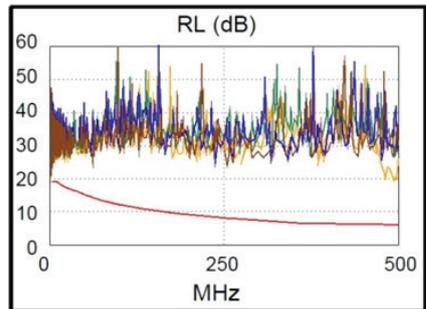
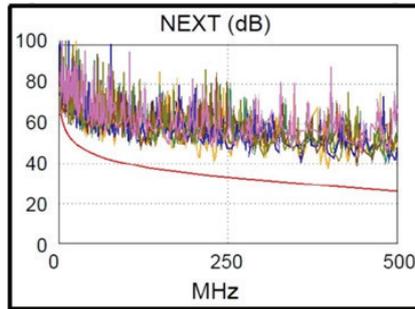
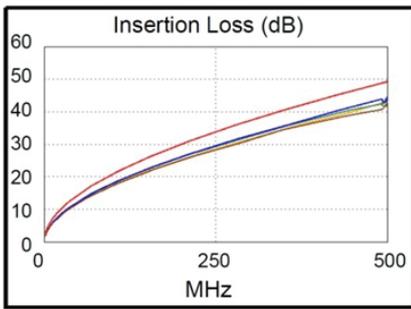


### OUR ACCREDITATIONS



# POLYCAB CAT 6A UTP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



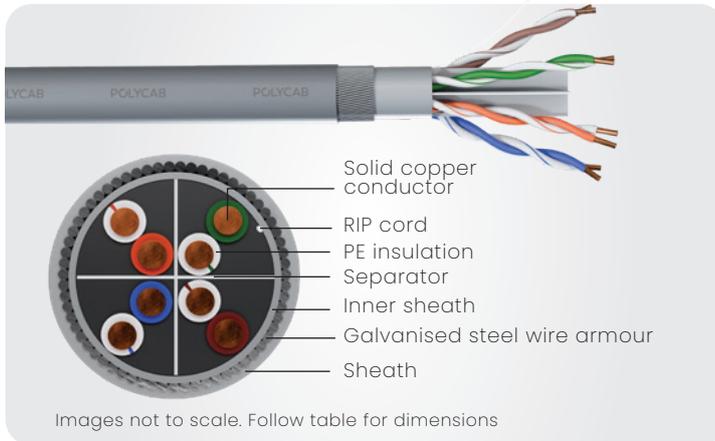
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @500 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @500 MHz	<542 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.3	65	62	63.3	60.3	19	40
4	4.2	63	60.5	51.2	48.2	19	40
8	5.8	58.2	55.6	45.2	42.2	19	36.5
10	6.5	56.6	54	43.3	40.3	19	35
16	8.2	53.2	50.6	39.2	36.2	18	31.9
20	9.2	51.6	49	37.2	34.2	17.5	30.5
25	10.2	50	47.3	35.3	32.3	17	29
31.25	11.5	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.4	43.4	40.6	27.3	24.3	14	23.8
100	20.9	39.9	37.1	23.3	20.3	12	20
200	30.1	34.8	31.9	17.2	14.2	9	15.5
250	33.9	33.1	30.2	15.3	12.3	8	14
500	49.3	26.1	23.2	9.3	6.3	6	9.5

## POLYCAB CAT 6 UTP ARMoured, LAN

### 4 Pair X 23 AWG, Ethernet Cable



#### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

#### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

#### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

#### APPROVALS



#### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length:

1000/2000 meter with grey outer sheath

#### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

#### CHARACTERISTICS

##### Cable Description:

- 23AWG x 4 Pair Unshielded Twisted Pair (UTP) Armoured
- Transmission frequency 1 to 250 MHz

#### CONSTRUCTION

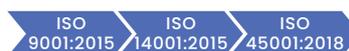
- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **RIP Cord:** Yes
- **Inner Sheath:** Extruded FR PVC sheath
- **Armouring:** G.I wire
- **Outer Sheath:** Extruded FRLSH PVC sheath
- **Overall diameter:** 10±1.5 mm

#### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

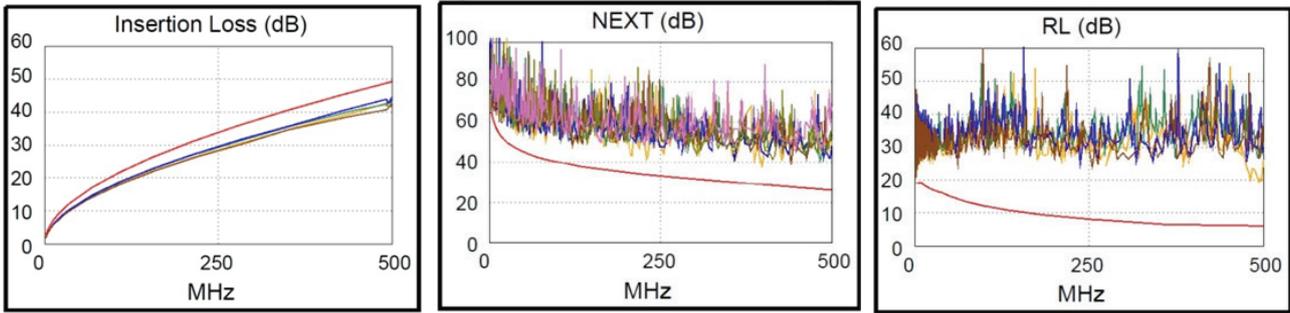


#### OUR ACCREDITATIONS



# POLYCAB CAT 6 UTP ARMoured, LAN

## 4 Pair X 23 AWG, Ethernet Cable



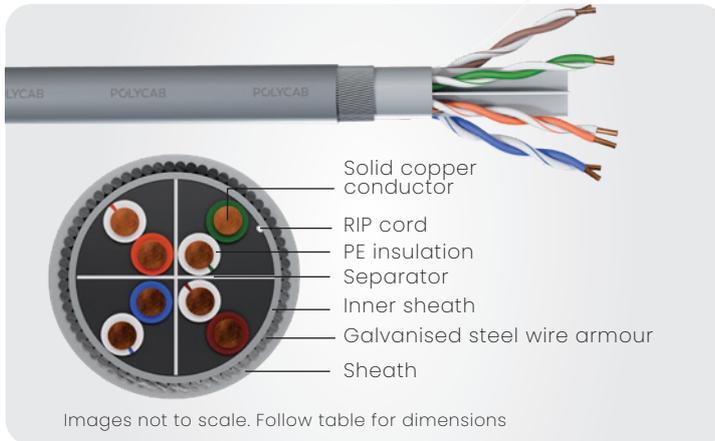
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @250 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @250 MHz	<538 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.1	65	62	63.3	60.3	19	40
4	4	63	60.5	51.2	48.2	19	40
8	5.7	58.2	55.6	45.2	42.2	19	36.5
10	6.3	56.6	54	43.3	40.3	19	35
16	8	53.2	50.6	39.2	36.2	18	31.9
20	9	51.6	49	37.2	34.2	17.5	30.5
25	10.1	50	47.3	35.3	32.3	17	29
31.25	11.4	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.5	43.4	40.6	27.3	24.3	14	23.8
100	21.3	39.9	37.1	23.3	20.3	12	20
200	31.5	34.8	31.9	17.2	14.2	9	15.5
250	35.9	33.1	30.2	15.3	12.3	8	14

## POLYCAB CAT 6A UTP ARMoured, LAN

### 4 Pair X 23 AWG, Ethernet Cable



#### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

#### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

#### APPROVALS



#### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length:

1000/2000 meter with grey outer sheath

#### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

#### CHARACTERISTICS

##### Cable Description:

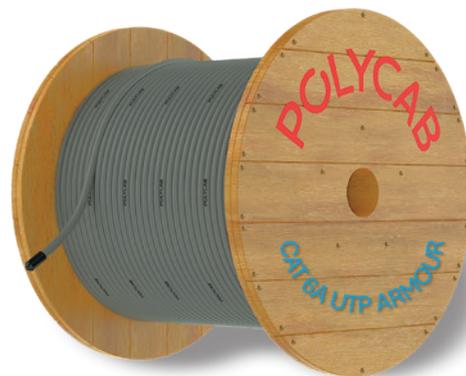
- 23AWG x 4 Pair Unshielded Twisted Pair (UTP)
- Transmission frequency 1 to 500 MHz

#### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **RIP Cord:** Yes
- **Inner Sheath:** Extruded FR PVC sheath
- **Armouring:** G.I wire
- **Outer Sheath:** Extruded FRLSH PVC sheath
- **Overall diameter:** 10±1.5 mm

#### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

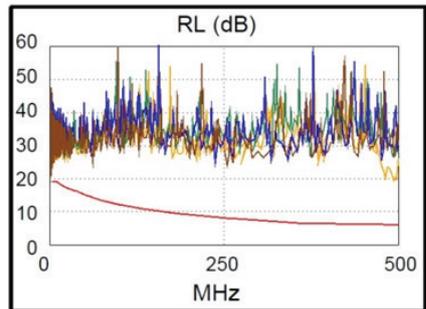
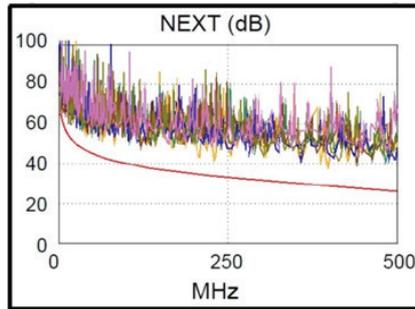
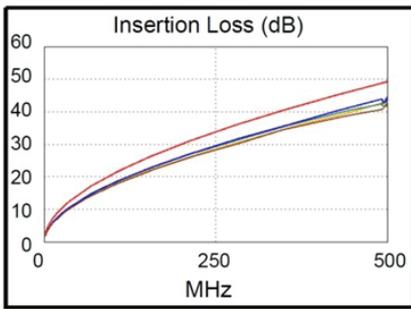


#### OUR ACCREDITATIONS



# POLYCAB CAT 6A UTP ARMoured, LAN

## 4 Pair X 23 AWG, Ethernet Cable



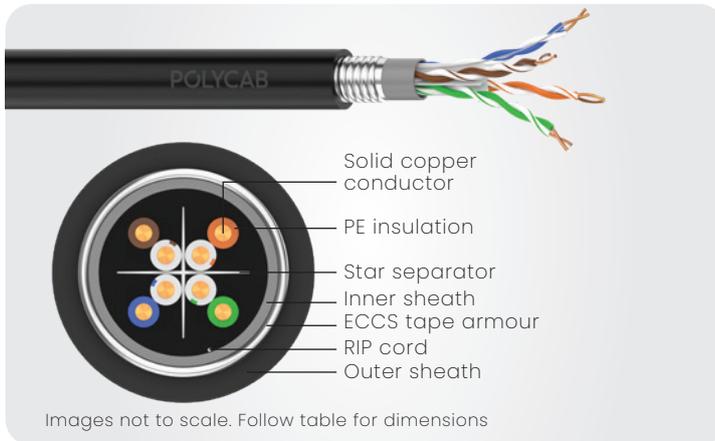
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @500 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @500 MHz	<542 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.3	65	62	63.3	60.3	19	40
4	4.2	63	60.5	51.2	48.2	19	40
8	5.8	58.2	55.6	45.2	42.2	19	36.5
10	6.5	56.6	54	43.3	40.3	19	35
16	8.2	53.2	50.6	39.2	36.2	18	31.9
20	9.2	51.6	49	37.2	34.2	17.5	30.5
25	10.2	50	47.3	35.3	32.3	17	29
31.25	11.5	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.4	43.4	40.6	27.3	24.3	14	23.8
100	20.9	39.9	37.1	23.3	20.3	12	20
200	30.1	34.8	31.9	17.2	14.2	9	15.5
250	33.9	33.1	30.2	15.3	12.3	8	14
500	49.3	26.1	23.2	9.3	6.3	6	9.5

## POLYCAB CAT 6 UTP ECCS TAPE ARMoured, LAN

### 4 Pair X 23 AWG, Ethernet Cable



#### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

#### CHARACTERISTICS

##### Cable Description:

- 23AWG x 4 Pair Unshielded Twisted Pair (UTP) ECCS tape armoured
- Transmission frequency 1 to 250 MHz

#### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **RIP Cord:** Yes
- **Inner sheath:** FR PVC
- **Tape armour:** ECCS (Electrolyte chrome coated steel) tape armoured.
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded HDPE sheath
- **Overall diameter:** 10±0.5

#### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

#### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

#### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

#### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

#### APPROVALS



#### NOTES

This cable is also available with LSZH outer sheath.

##### Packing Length:

305/1000/2000 meter with grey outer sheath

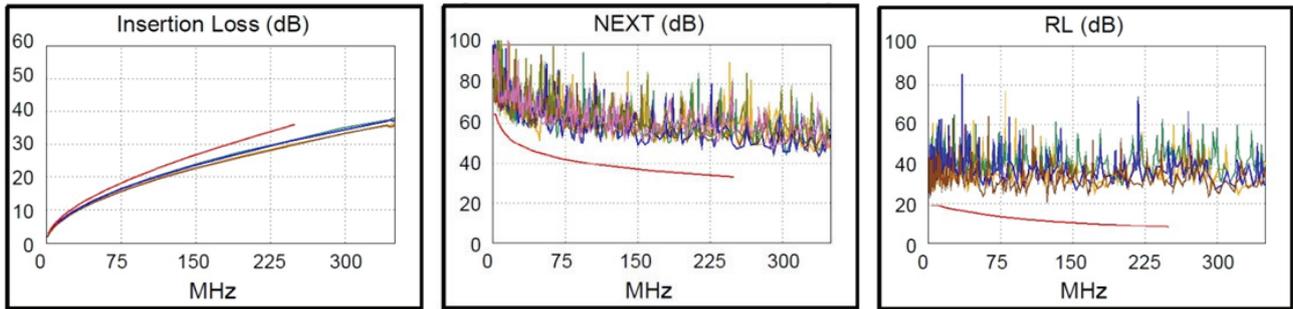


#### OUR ACCREDITATIONS



# POLYCAB CAT 6 UTP ECCS TAPE ARMoured, LAN

## 4 Pair X 23 AWG, Ethernet Cable



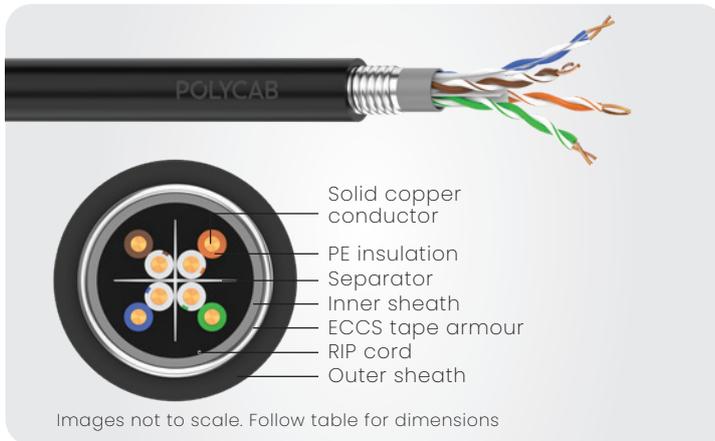
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @250 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @250 MHz	<538 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.1	65	62	63.3	60.3	19	40
4	4	63	60.5	51.2	48.2	19	40
8	5.7	58.2	55.6	45.2	42.2	19	36.5
10	6.3	56.6	54	43.3	40.3	19	35
16	8	53.2	50.6	39.2	36.2	18	31.9
20	9	51.6	49	37.2	34.2	17.5	30.5
25	10.1	50	47.3	35.3	32.3	17	29
31.25	11.4	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.5	43.4	40.6	27.3	24.3	14	23.8
100	21.3	39.9	37.1	23.3	20.3	12	20
200	31.5	34.8	31.9	17.2	14.2	9	15.5
250	35.9	33.1	30.2	15.3	12.3	8	14

## POLYCAB CAT 6A UTP ECCS TAPE ARMoured, LAN

### 4 Pair X 23 AWG, Ethernet Cable



#### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

#### CHARACTERISTICS

##### Cable Description:

- 23AWG x 4 Pair Unshielded Twisted Pair (UTP) ECCS tape Armoured
- Transmission frequency 1 to 500 MHz

#### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **RIP Cord:** Yes
- **Inner sheath:** FR PVC
- **Tape armour:** ECCS (Electrolyte chrome coated steel) tape armoured.
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded HDPE sheath
- **Overall diameter:** 10±0.5

#### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

#### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

#### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

#### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

#### APPROVALS



#### NOTES

This cable is also available with LSZH outer sheath.

##### Packing Length:

1000/2000 meter with grey outer sheath

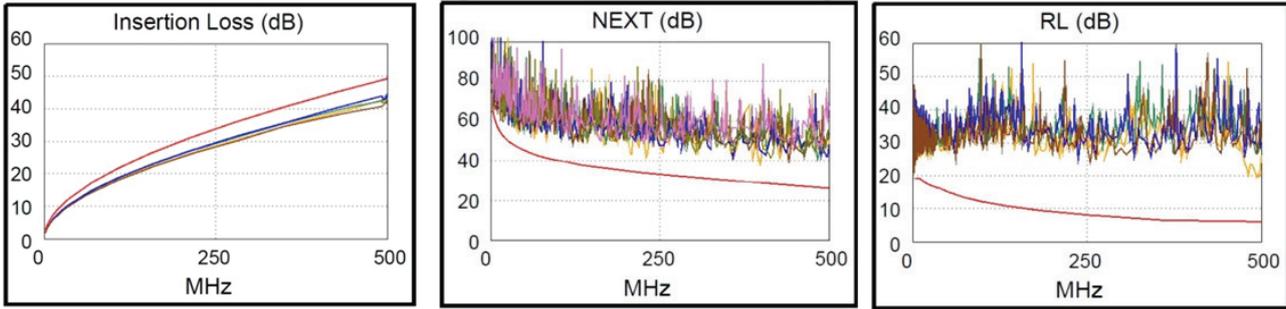


#### OUR ACCREDITATIONS



# POLYCAB CAT 6A UTP ECCS TAPE ARMoured, LAN

## 4 Pair X 23 AWG, Ethernet Cable



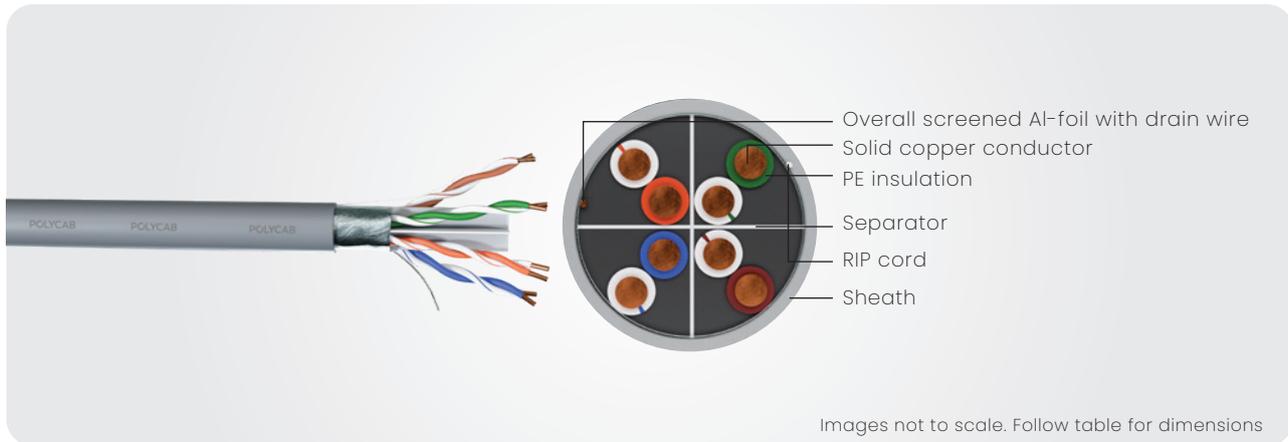
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @500 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @500 MHz	<542 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.3	65	62	63.3	60.3	19	40
4	4.2	63	60.5	51.2	48.2	19	40
8	5.8	58.2	55.6	45.2	42.2	19	36.5
10	6.5	56.6	54	43.3	40.3	19	35
16	8.2	53.2	50.6	39.2	36.2	18	31.9
20	9.2	51.6	49	37.2	34.2	17.5	30.5
25	10.2	50	47.3	35.3	32.3	17	29
31.25	11.5	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.4	43.4	40.6	27.3	24.3	14	23.8
100	20.9	39.9	37.1	23.3	20.3	12	20
200	30.1	34.8	31.9	17.2	14.2	9	15.5
250	33.9	33.1	30.2	15.3	12.3	8	14
500	49.3	26.1	23.2	9.3	6.3	6	9.5

## POLYCAB CAT 6 FTP, LAN

4 Pair X 23 AWG, Ethernet Cable



### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type - 1 as per ISO/IEC/IEEE 8802 - 2017 Cl.33
- PoE Type - 2 as per ISO/IEC/IEEE 8802 - 2017 Cl.33
- PoE Type - 3 as per ISO/IEC/IEEE 8802 - 2017 Cl.33

### CHARACTERISTICS

#### Cable Description

- 23AWG x 4 Pair foiled twisted pair (FTP)
- Transmission frequency 1 to 250 MHz

### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **Shielding:** Al-mylar tape
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded FR PVC sheath
- **Overall diameter:** 7.5±1

### CORE IDENTIFICATION

- **1 Pair:** Blue - White/Blue
- **2 Pair:** Orange - White/Orange
- **3 Pair:** Green - White/Green
- **4 Pair:** Brown - White/Brown

### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC - 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

### APPROVALS



### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length:

305 meters with grey outer sheath

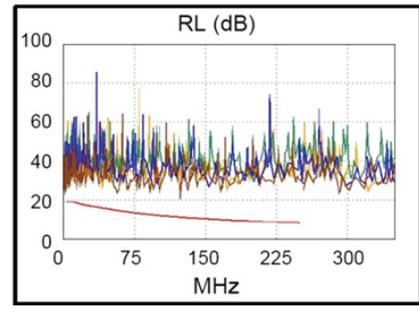
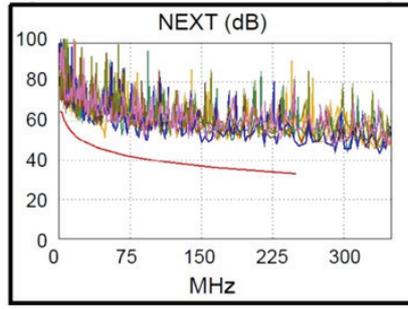
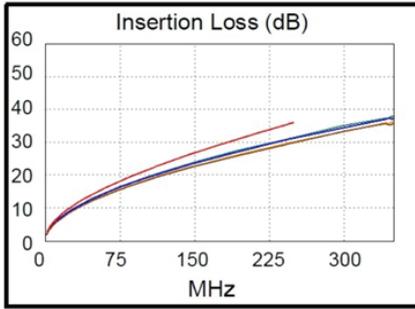


### OUR ACCREDITATIONS



# POLYCAB CAT 6 FTP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



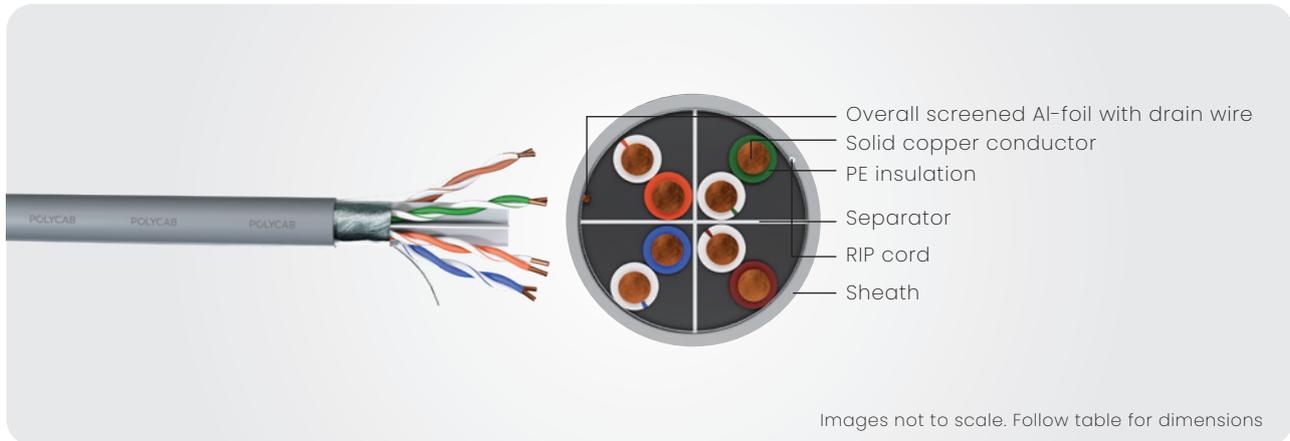
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @250 MHz	100±15 Ω
Conductor DC Resistance	max. 92 Ω/km
Conductor DC Resistance Unbalance	max. 5%
Velocity of Propagation	Nom. 65%
Propagation Delay @250 MHz	<538 ns/100 m
Delay Skew	Max 48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.1	65	62	63.3	60.3	19	40
4	4	63	60.5	51.2	48.2	19	40
8	5.7	58.2	55.6	45.2	42.2	19	36.5
10	6.3	56.6	54	43.3	40.3	19	35
16	8	53.2	50.6	39.2	36.2	18	31.9
20	9	51.6	49	37.2	34.2	17.5	30.5
25	10.1	50	47.3	35.3	32.3	17	29
31.25	11.4	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.5	43.4	40.6	27.3	24.3	14	23.8
100	21.3	39.9	37.1	23.3	20.3	12	20
200	31.5	34.8	31.9	17.2	14.2	9	15.5
250	35.9	33.1	30.2	15.3	12.3	8	14

# POLYCAB CAT 6A FTP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

### CHARACTERISTICS

#### Cable Description:

- 23AWG x 4 Pair foil-Shielded Twisted Pair (FTP)
- Transmission frequency 1 to 500 MHz

### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **Shielding:** Al-Mylar tape with continuity material drain wire
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded FR PVC sheath
- **Overall diameter:** 7±1

### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

### APPROVALS

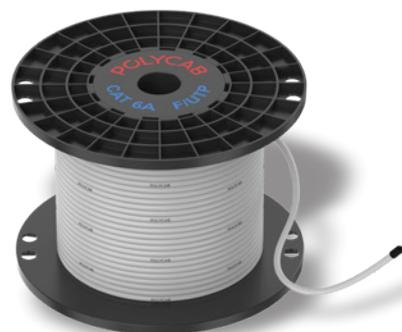


### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length:

305 meters with grey outer sheath

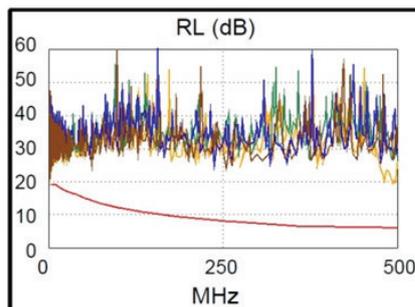
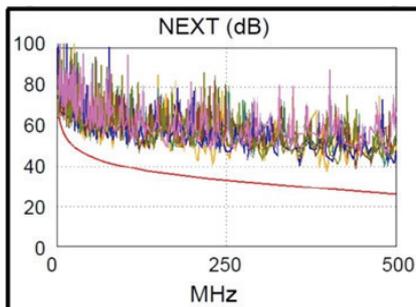
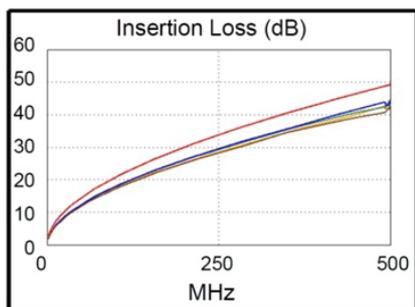


### OUR ACCREDITATIONS



# POLYCAB CAT 6A FTP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



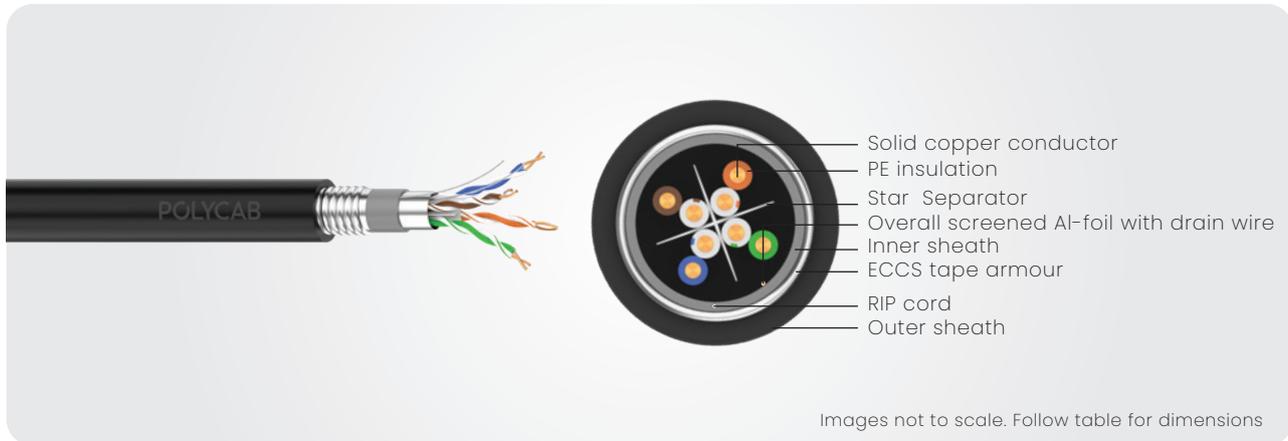
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @500 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @500 MHz	<542 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.3	65	62	63.3	60.3	19	40
4	4.2	63	60.5	51.2	48.2	19	40
8	5.8	58.2	55.6	45.2	42.2	19	36.5
10	6.5	56.6	54	43.3	40.3	19	35
16	8.2	53.2	50.6	39.2	36.2	18	31.9
20	9.2	51.6	49	37.2	34.2	17.5	30.5
25	10.2	50	47.3	35.3	32.3	17	29
31.25	11.5	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.4	43.4	40.6	27.3	24.3	14	23.8
100	20.9	39.9	37.1	23.3	20.3	12	20
200	30.1	34.8	31.9	17.2	14.2	9	15.5
250	33.9	33.1	30.2	15.3	12.3	8	14
500	49.3	26.1	23.2	9.3	6.3	6	9.5

## POLYCAB CAT 6A FTP ECCS TAPE ARMoured, LAN

4 Pair X 23 AWG, Ethernet Cable



### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

### CHARACTERISTICS

#### Cable Description:

- 23AWG x 4 Pair Foil-shielded Twisted Pair (FTP)
- Transmission frequency 1 to 500 MHz

### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **Shielding:** Al-Mylar tape with continuity material drain wire
- **RIP Cord:** Yes
- **Inner sheath:** FR PVC
- **Tape armour:** ECCS (Electrolyte chrome coated steel) tape armoured.
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded HDPE sheath
- **Overall diameter:** 10±1

### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

### APPROVALS



### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length:

1000/2000 meters with grey outer sheath

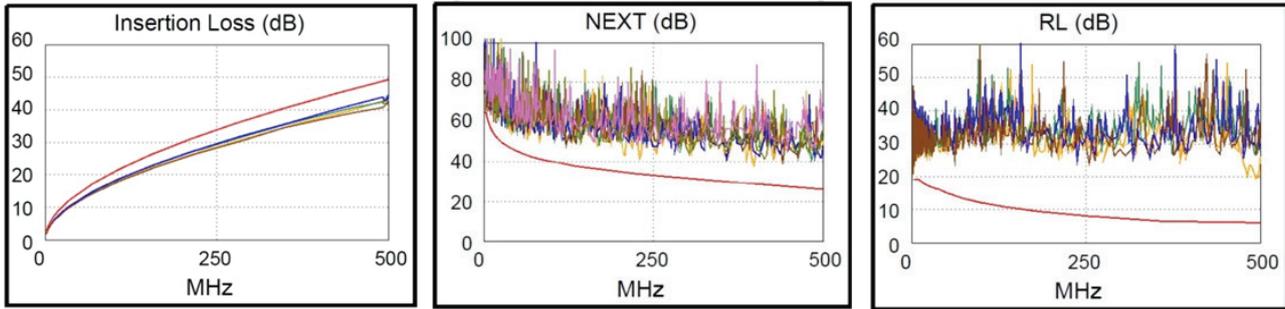


### OUR ACCREDITATIONS



# POLYCAB CAT 6A FTP ECCS TAPE ARMoured, LAN

## 4 Pair X 23 AWG, Ethernet Cable



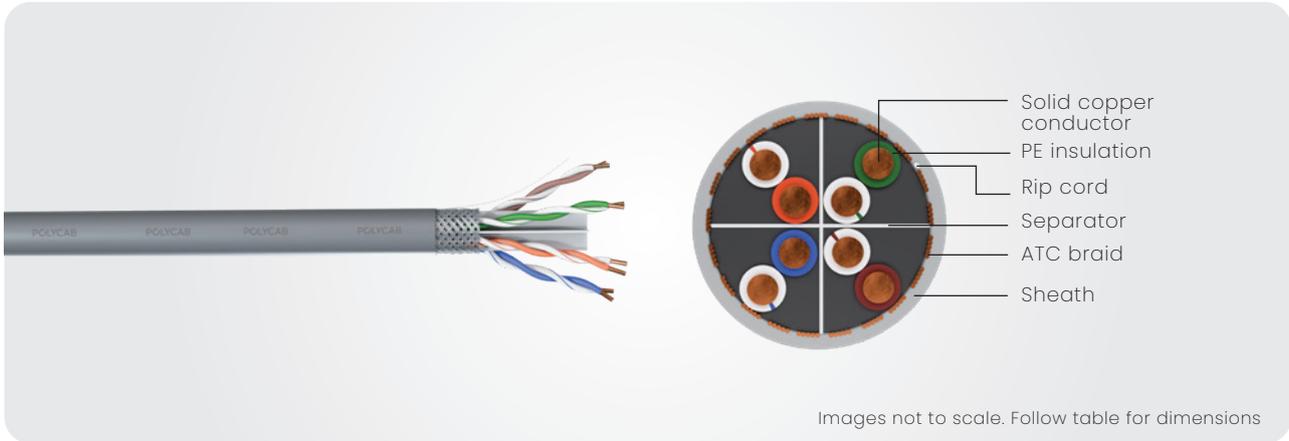
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @250 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @250 MHz	<542 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.3	65	62	63.3	60.3	19	40
4	4.2	63	60.5	51.2	48.2	19	40
8	5.8	58.2	55.6	45.2	42.2	19	36.5
10	6.5	56.6	54	43.3	40.3	19	35
16	8.2	53.2	50.6	39.2	36.2	18	31.9
20	9.2	51.6	49	37.2	34.2	17.5	30.5
25	10.2	50	47.3	35.3	32.3	17	29
31.25	11.5	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.4	43.4	40.6	27.3	24.3	14	23.8
100	20.9	39.9	37.1	23.3	20.3	12	20
200	30.1	34.8	31.9	17.2	14.2	9	15.5
250	33.9	33.1	30.2	15.3	12.3	8	14
500	49.3	26.1	23.2	9.3	6.3	6	9.5

# POLYCAB CAT 6 STP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

### CHARACTERISTICS

#### Cable Description:

- 23AWG x 4 Pair Shielded Twisted Pair (STP)
- Transmission frequency 1 to 250 MHz

### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **Shielding:** Annealed tinned copper (ATC) wire
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded FR PVC sheath
- **Overall diameter:** 7.5±1

### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

### APPROVALS



### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length:

305 meters with grey outer sheath

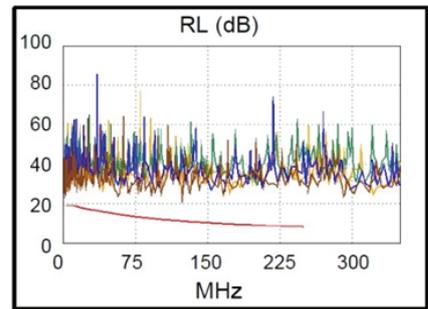
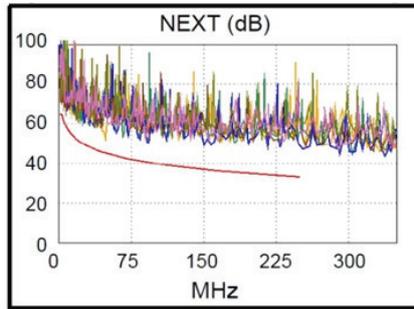
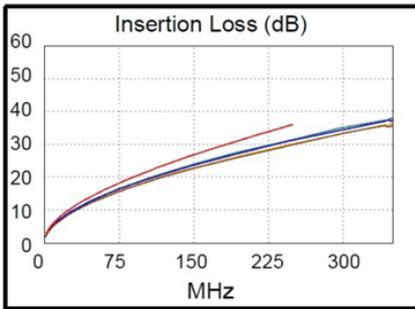


### OUR ACCREDITATIONS



# POLYCAB CAT 6 STP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



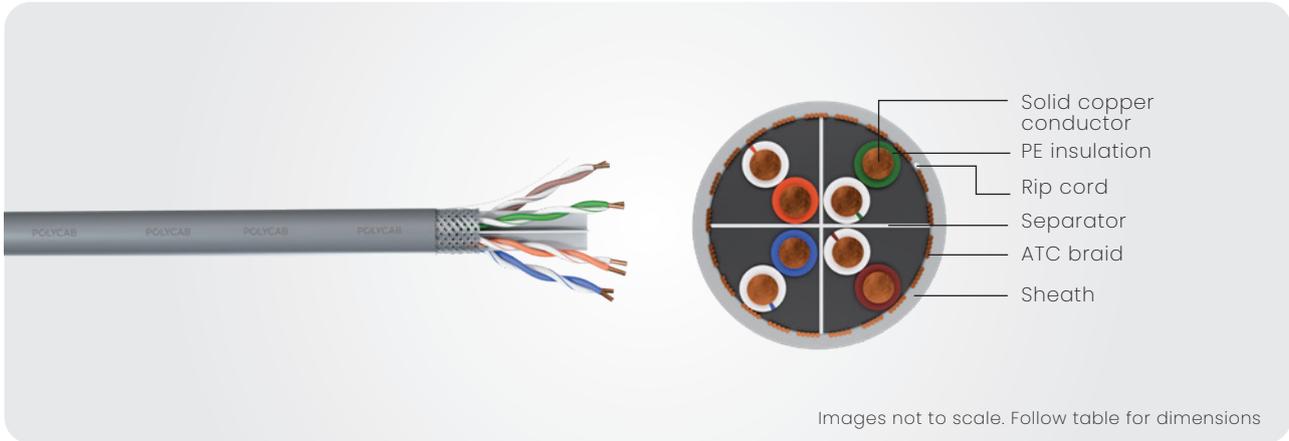
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @250 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @250 MHz	<538 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.1	65	62	63.3	60.3	19	40
4	4	63	60.5	51.2	48.2	19	40
8	5.7	58.2	55.6	45.2	42.2	19	36.5
10	6.3	56.6	54	43.3	40.3	19	35
16	8	53.2	50.6	39.2	36.2	18	31.9
20	9	51.6	49	37.2	34.2	17.5	30.5
25	10.1	50	47.3	35.3	32.3	17	29
31.25	11.4	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.5	43.4	40.6	27.3	24.3	14	23.8
100	21.3	39.9	37.1	23.3	20.3	12	20
200	31.5	34.8	31.9	17.2	14.2	9	15.5
250	35.9	33.1	30.2	15.3	12.3	8	14

# POLYCAB CAT 6A STP, LAN

4 Pair X 23 AWG, Ethernet Cable



### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

### CHARACTERISTICS

#### Cable Description:

- 23AWG x 4 Pair Shielded Twisted Pair (STP)
- Transmission frequency 1 to 500 MHz

### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **Shielding:** Annealed tinned copper (ATC) wire braiding
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded FR PVC sheath
- **Overall diameter:** 8±1

### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

### APPROVALS

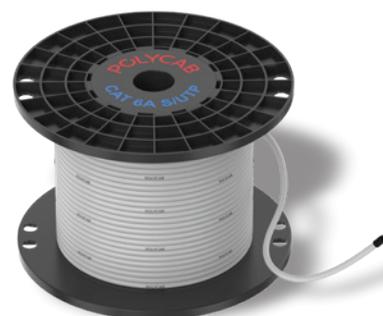


### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length:

305 meters with grey outer sheath

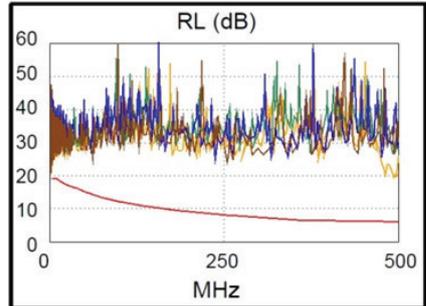
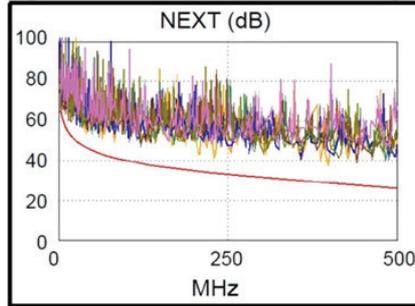
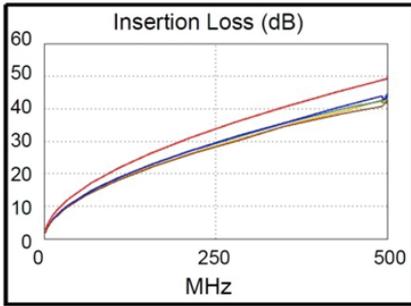


### OUR ACCREDITATIONS



# POLYCAB 6A STP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



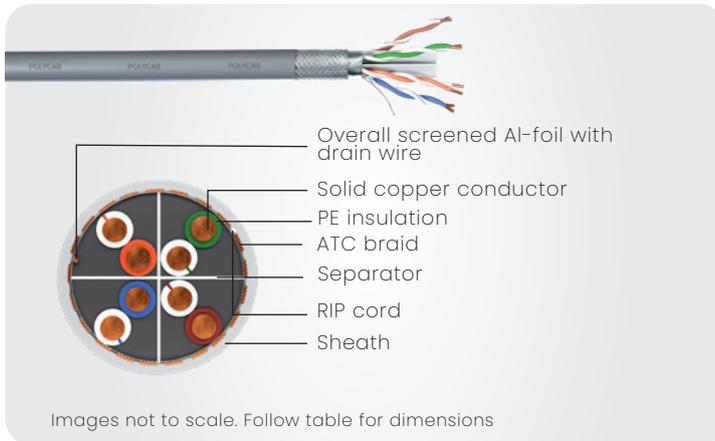
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @500 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @500 MHz	<542 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.3	65	62	63.3	60.3	19	40
4	4.2	63	60.5	51.2	48.2	19	40
8	5.8	58.2	55.6	45.2	42.2	19	36.5
10	6.5	56.6	54	43.3	40.3	19	35
16	8.2	53.2	50.6	39.2	36.2	18	31.9
20	9.2	51.6	49	37.2	34.2	17.5	30.5
25	10.2	50	47.3	35.3	32.3	17	29
31.25	11.5	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.4	43.4	40.6	27.3	24.3	14	23.8
100	20.9	39.9	37.1	23.3	20.3	12	20
200	30.1	34.8	31.9	17.2	14.2	9	15.5
250	33.9	33.1	30.2	15.3	12.3	8	14
500	49.3	26.1	23.2	9.3	6.3	6	9.5

# POLYCAB CAT 6 SF/UTP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

### CHARACTERISTICS

#### Cable Description:

- 23AWG x 4 Pair Shielded and Foiled Twisted Pair (SFTP)
- Transmission frequency 1 to 250 MHz

### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **Shielding:** Al-Mylar tape followed by annealed tinned copper (ATC) wire braid
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded FR PVC sheath
- **Overall diameter:** 7.6±1

### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

### APPROVALS

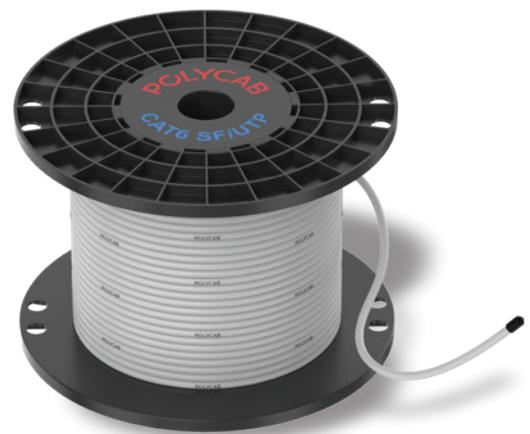


### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length:

305 meters with grey outer sheath

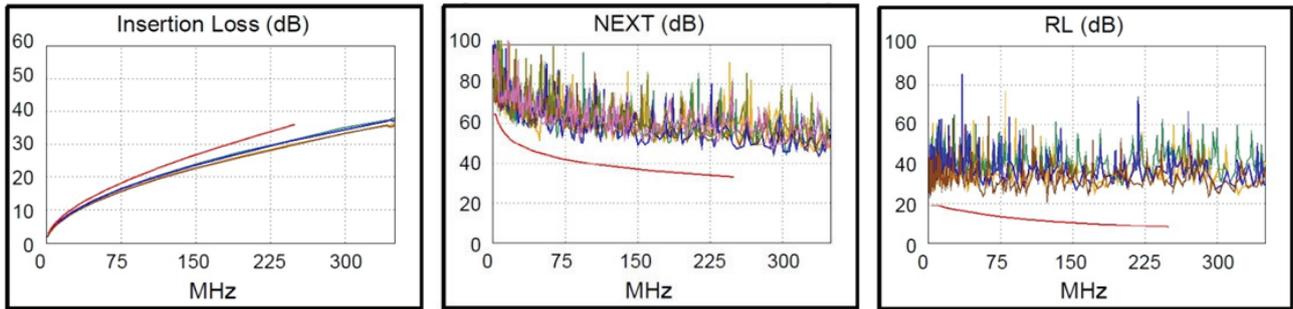


### OUR ACCREDITATIONS



# POLYCAB CAT 6 SF/UTP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



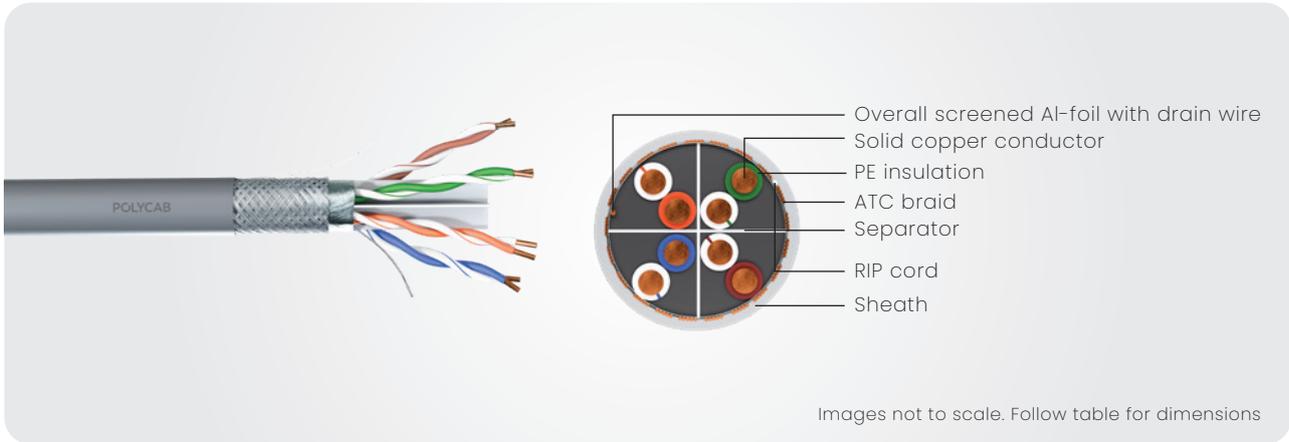
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @250 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @250 MHz	<538 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.1	65	62	63.3	60.3	19	40
4	4	63	60.5	51.2	48.2	19	40
8	5.7	58.2	55.6	45.2	42.2	19	36.5
10	6.3	56.6	54	43.3	40.3	19	35
16	8	53.2	50.6	39.2	36.2	18	31.9
20	9	51.6	49	37.2	34.2	17.5	30.5
25	10.1	50	47.3	35.3	32.3	17	29
31.25	11.4	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.5	43.4	40.6	27.3	24.3	14	23.8
100	21.3	39.9	37.1	23.3	20.3	12	20
200	31.5	34.8	31.9	17.2	14.2	9	15.5
250	35.9	33.1	30.2	15.3	12.3	8	14

# POLYCAB CAT 6A SF/UTP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



### APPLICATION

- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type – 1 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 2 as per ISO/IEC/IEEE 8802 – 2017 Cl.33
- PoE Type – 3 as per ISO/IEC/IEEE 8802 – 2017 Cl.33

### CHARACTERISTICS

#### Cable Description:

- 23AWG x 4 Pair shielded and foiled twisted pair (SFTP)
- Transmission frequency 1 to 500 MHz

### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Insulated cores are twisted together to form pair then pairs are laid up and separated by star separator
- **Shielding:** Al-Mylar tape followed by annealed tinned copper (ATC) wire braid
- **RIP Cord:** Yes
- **Outer Sheath:** Extruded FR PVC sheath
- **Overall diameter:** 8±1

### CORE IDENTIFICATION

- **1 Pair:** Blue – White/Blue
- **2 Pair:** Orange – White/Orange
- **3 Pair:** Green – White/Green
- **4 Pair:** Brown – White/Brown

### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

### PHYSICAL CHARACTERISTICS

- **Maximum Pulling Force:** 115 N
- **Operation Temperature:** -20°C to 60°C
- **Installation Temperature:** 0°C to 50°C
- **Maximum Bending Radius:** 4 x Overall diameter

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC – 11801 CLASS E
- IEC 60332-1-2
- ASTM D 2863

### APPROVALS

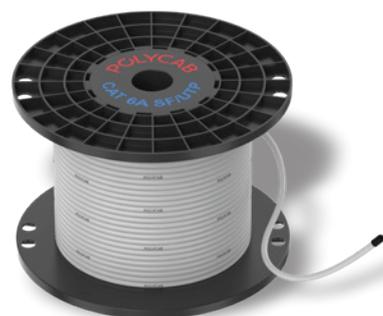


### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length:

305 meters with grey outer sheath

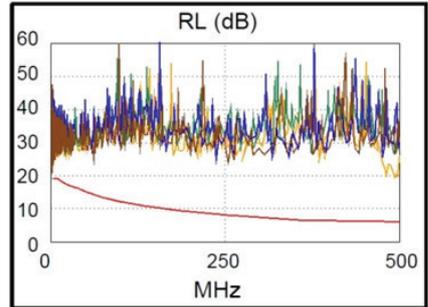
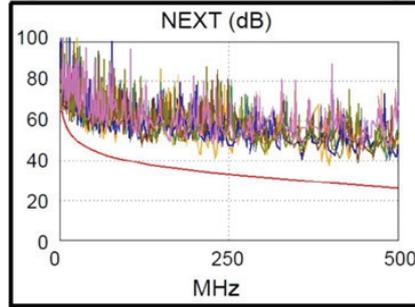
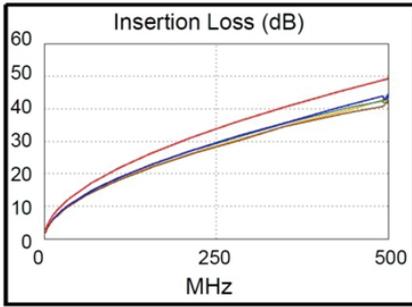


### OUR ACCREDITATIONS



# POLYCAB CAT 6A SF/UTP, LAN

## 4 Pair X 23 AWG, Ethernet Cable



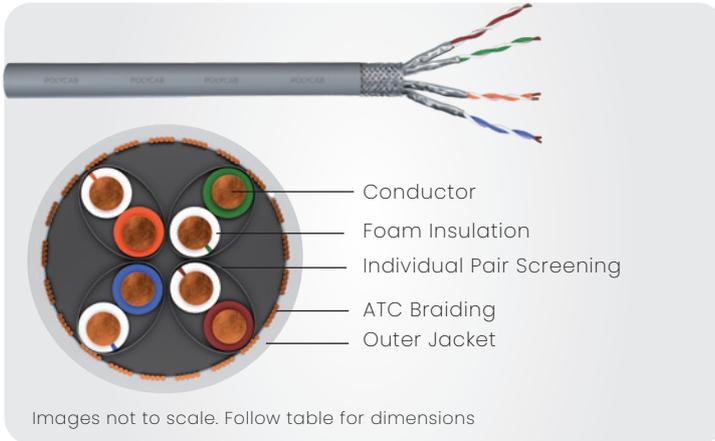
### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance @ 1kHz	56±10 nF/km
Characteristics Impedance @500 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance Unbalance max.	5%
Velocity of Propagation Nom.	65%
Propagation Delay @500 MHz	<542 ns/100 m
Delay Skew Max	48 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Max Insertion Loss (Atten.)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. RL (Return Loss) (dB)	Min. TCL (dB)
1	2.3	65	62	63.3	60.3	19	40
4	4.2	63	60.5	51.2	48.2	19	40
8	5.8	58.2	55.6	45.2	42.2	19	36.5
10	6.5	56.6	54	43.3	40.3	19	35
16	8.2	53.2	50.6	39.2	36.2	18	31.9
20	9.2	51.6	49	37.2	34.2	17.5	30.5
25	10.2	50	47.3	35.3	32.3	17	29
31.25	11.5	48.4	45.7	33.4	30.4	16.5	27.6
62.5	16.4	43.4	40.6	27.3	24.3	14	23.8
100	20.9	39.9	37.1	23.3	20.3	12	20
200	30.1	34.8	31.9	17.2	14.2	9	15.5
250	33.9	33.1	30.2	15.3	12.3	8	14
500	49.3	26.1	23.2	9.3	6.3	6	9.5

# POLYCAB CAT 7, LAN

## 4 Pair X 23 AWG, Ethernet Cable



### APPLICATION

- Polycab CAT 7 meets the requirement of ISO/IEC 11801, IEC 60332-1

### Specification:

- 23 AWG solid conductor, PE Foam insulated cores are twisted together to form pair and individuals shielded by Al-Mylar tape and ATC wire braid, PVC/LSZH sheathed cable application as
- Ethernet 10BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 100BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 1000BASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- Ethernet 10GBASE-T as per ISO/IEC/IEEE 8802-3-2017 Cl.25
- PoE Type - 1 as per ISO/IEC/IEEE 8802 - 2017 Cl.33
- PoE Type - 2 as per ISO/IEC/IEEE 8802 - 2017 Cl.33
- PoE Type - 3 as per ISO/IEC/IEEE 8802 - 2017 Cl.33

### CHARACTERISTICS

#### Cable Description:

- 4 Pair x 23 AWG CAT-7 LAN cable
- Transmission Frequency 1 to 600 MHz

#### Physical Characteristics:

- Maximum Pulling Force: 115 N
- Operation Temperature: -20°C to 60°C
- Installation Temperature: 0°C to 50°C
- Maximum Bending Radius: 8 x Overall Diameter

#### Packing Length:

- 305 meters with Grey outer sheath

### CONSTRUCTION

- **Conductor:** Solid bare copper conductor
- **Insulation:** Foam Polyethylene
- **Laid Up:** Insulated cores are twisted together to form pairs
- **Shielding:** Individual Al-Mylar tape on each pair followed by overall Annealed Tinned Copper (ATC) wire braid
- **Rip cord:** Yes
- **Outer Sheath:** Extruded FR PVC/LSZH
- **Overall Diameter:** 7.5 ±1

### OUTSTANDING FEATURES

- Higher bandwidth
- Lower signal loss
- High speed data transmission
- High frequency transmission

### CORE IDENTIFICATION

- **1 Pair:** White - Blue
- **2 Pair:** White - Orange
- **3 Pair:** White - Green
- **4 Pair:** White - Brown

### STANDARD FOLLOWS

- ISO/IEC 11801 Class F
- IEC 60332-1-2
- ASTM D 2863

### APPROVALS

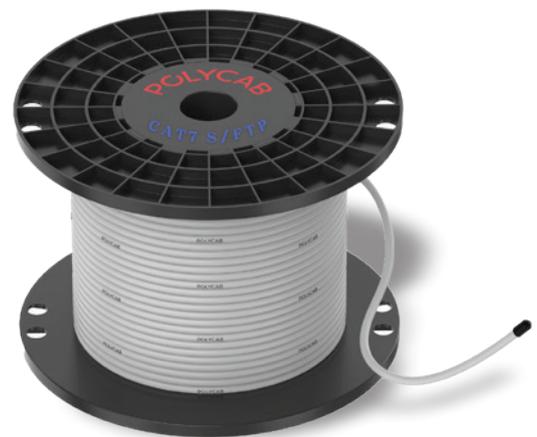


### NOTES

This cable with EBXL outer sheath is also available on demand.

#### Packing Length:

305 meters with Grey outer sheath  
Colour option available on request with MOQ

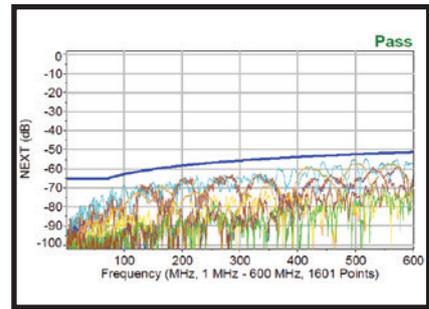
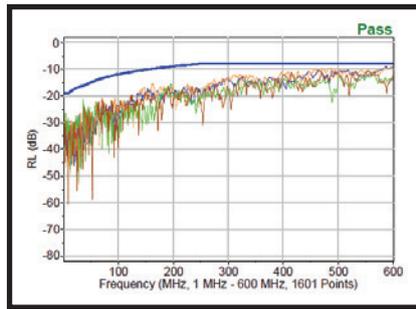
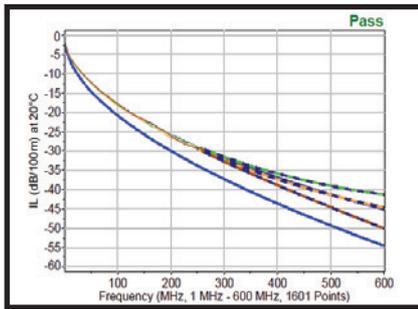


### OUR ACCREDITATIONS



# POLYCAB CAT 7, LAN

## 4 Pair X 23 AWG, Ethernet Cable



### ELECTRICAL CHARACTERISTICS AT 20°C

Mutual Capacitance@kHz	56±10 nF/km
Characteristics Impedance@600 MHz	100±15 Ω
Conductor DC Resistance max.	92 Ω/km
Conductor DC Resistance	Unbalance max. 5%
Velocity of Propagation Nom.	65%
Propagation Delay@600 MHz	<538 ns/100 m
Delay Skew Max.	30 ns/100 m
Insulation Resistance	100 MΩ
Operating Voltage	72 V

Frequency (MHz)	Insertion Loss (dB)	NEXT (dB)	PS NEXT (dB)	ACRF (dB)	PS ACRF (dB)	RL (Return Loss) (dB)
1	2.19	65.0	62	65	62.0	19
16	8.09	99.7	62	57.5	54.5	18
62.5	16.24	82.1	62	47.8	44.8	14
100	20.75	62.9	59.9	44.5	41.5	12
200	29.99	58.3	55.3	39.4	36.4	9
250	33.78	56.9	53.9	37.8	34.8	8
500	49.31	52.4	49.4	32.6	29.6	8
600	54.56	51.2	48.2	31.3	28.3	8

# POLYCAB CAT 6 U/UTP PATCH CORD

## 4 Pair X 23 AWG Unshielded Twisted Pair



Images not to scale. Follow table for dimensions

### APPLICATION

**Polycab Cat 6 U/UTP Patch Cords** are designed for high speed, noise free signal transmission in demanding network environments. Built with high-quality four-pair Unshielded Twisted Pair (U/UTP) stranded cable and terminated with RJ45 connector at both ends, these cords meet TIA/EIA 568 C.2 and ISO/IEC 11801 standards, ensuring consistent performance across a wide range of applications.

Whether you're setting up a new network or upgrading an existing one, these patch cords deliver:

- **Enterprise Networking:** Ideal for connecting switches, routers, and patch panels in high-speed LAN setups, supporting up to 1 Gbps data rates over 100 meters
- **Office Infrastructure:** Smooth data flow for VoIP phones, desktop PCs, and printers—perfect for structured cabling in modern workspaces
- **Smart Homes:** Reliable connectivity for smart TVs, gaming consoles, and home automation hubs
- **Security Systems:** Seamless integration with IP cameras, CCTV module and NVRs, ensuring uninterrupted video feeds
- **Educational & Lab Environments:** Stable connections for digital learning tools, lab equipment, and collaborative platforms
- **Retail & POS Systems:** Fast and secure data transmission for point-of-sale terminals and inventory management systems

### CONSTRUCTION

- **Conductor:** Stranded/Solid copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Outer Sheath:** Extruded FR PVC/LSZH sheath RJ 45 8P 8C connector
- **Plug:** 50 microns gold plated
- **Boot:** Molding boot

### OUTSTANDING FEATURES

- High flexibility for easy routing and installation
- Cost-effective solution for standard gigabit ethernet
- Excellent performance in low-interference environments
- Supports up to 250 MHz bandwidth
- Ideal for structured cabling in offices and homes

### CHARACTERISTICS

- **Plug Mating:** >1000 mating cycle
- **Operating Temperature:** -10°C to 60°C
- **Storage Temperature:** -40°C to 70°C
- **Bandwidth:** Up to 250 MHz
- **Data Rate Support:** Up to 1 Gbps

### ELECTRICAL PROPERTIES

- **Spark Test for Insulation (DC):** 2.5 KV
- **Characteristics Impedance:** 100±15 ohm
- **Conductor DC Resistance Max:** 92 ohm/km
- **Propagation Delay Skew:** 48 ns/100 m

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC 11801

### APPROVALS



### NOTES

**Colour option available on request**

**Packing Length:** Available in 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50-meter length and customized length

Each patch cord in individual gift pack



### OUR ACCREDITATIONS



# POLYCAB CAT 6 A U/UTP PATCH CORD

## 4 Pair X 23 AWG Unshielded Twisted Pair



Images not to scale. Follow table for dimensions

### APPLICATION

**Polycab Cat 6A U/UTP Patch Cords** are built for today's high-speed, high-density networks where noise free signal transmission is demanding. Constructed with 23 AWG stranded/solid bare copper conductors and terminated with RJ45 connector at both the end, these cords meet TIA/EIA-568-C.2 and ISO/IEC 11801 standards, supporting 10 gigabit ethernet over distances up to 100 meters.

Engineered to suppress alien crosstalk and maintain signal integrity across demanding environments, these patch cords are ideal for:

- **Data Centers:** High-bandwidth connections between switches, servers, and patch panels, with minimal insertion loss and consistent throughput
- **Enterprise Networks:** Reliable backbone for VoIP, video conferencing, and cloud-based applications across structured cabling systems
- **Industrial Automation:** Stable performance in electrically noisy environments, perfect for PLCs, HMIs, and control systems
- **Healthcare Facilities:** Supporting real-time data exchange between diagnostic equipment, patient monitoring systems, and secure servers
- **Smart Campuses:** Enabling seamless connectivity for digital classrooms, surveillance systems, and IoT infrastructure
- **Retail & POS Systems:** Fast and secure data transmission for point-of-sale terminals, kiosks, and inventory tracking devices

### CONSTRUCTION

- **Conductor:** Stranded/solid copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Outer Sheath:** Extruded FR PVC/LSZH sheath
- **Plug:** 50 microns gold plated
- **Boot:** Molding boot

### OUTSTANDING FEATURES

- Supports 10 gigabit ethernet up to 100 meters
- Lightweight and easy to install
- Cost-effective for high-speed applications
- Optimized pair separation for reduced crosstalk
- Ideal for low-noise enterprise and residential networks

### CHARACTERISTICS

- **Plug Mating:** >1000 mating cycle
- **Operating Temperature:** -10°C to 60°C
- **Storage Temperature:** -40°C to 70°C
- **Bandwidth:** Up to 500 MHz
- **Data Rate Support:** Up to 10 Gbps

### ELECTRICAL PROPERTIES

- **Spark Test for Insulation (DC):** 2.5 KV
- **Characteristics Impedance:** 100±15 ohm
- **Conductor DC Resistance Max:** 92 ohm/km
- **Propagation Delay Skew:** 48 ns/100 m

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC 11801

### APPROVALS



### NOTES

**Colour option available on request**  
**Packing Length:** Available in 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50-meter length and customized length  
 Each patch cord in individual gift pack

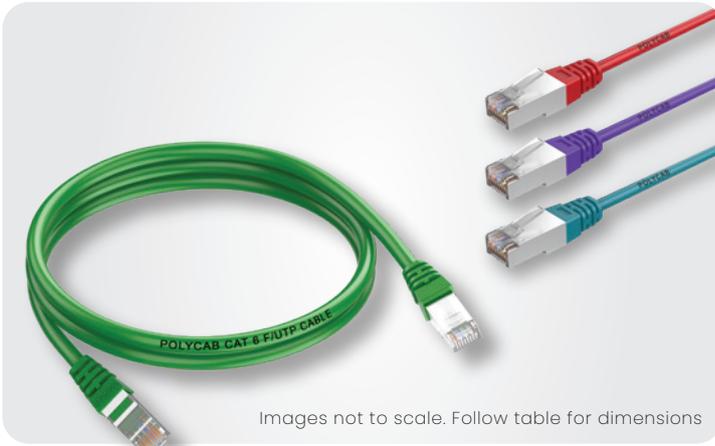


### OUR ACCREDITATIONS



# POLYCAB CAT 6 F/UTP PATCH CORD

## 4 Pair X 23 AWG Foiled Twisted Pair



Images not to scale. Follow table for dimensions

### APPLICATION

**Polycab Cat 6 F/UTP Patch Cords** are designed for environments where signal clarity and interference protection are critical. Constructed with foil Shielded Twisted Pair (F/UTP) cable and terminated with RJ45 modular plugs, these cords offer enhanced protection against electromagnetic interference (EMI) and radio frequency interference (RFI)—making them ideal for electrically noisy installations.

Compliance with TIA/EIA-568-C.2 and ISO/IEC 11801 standards, these patch cords support gigabit ethernet (1000Base-T) and transmission frequencies up to 250 MHz, ensuring reliable performance across a wide range of real-world applications:

- **Data Centers:** Stable, high-speed connections between switches, servers, and patch panels with reduced crosstalk
- **Corporate Networks:** Ideal for structured cabling in office environments, supporting VoIP, video conferencing, and cloud-based workflows
- **Industrial Facilities:** Withstands electrical noise from heavy machinery and control systems, perfect for PLCs and automation networks
- **Security & Surveillance:** Reliable data and PoE delivery for IP cameras, access control systems, and NVRs
- **Educational Institutions:** Supports digital classrooms, lab equipment, and campus-wide connectivity
- **Retail & POS Systems:** Ensures fast, secure data transmission for point-of-sale terminals and inventory systems

### CONSTRUCTION

- **Conductor:** Stranded/solid copper
- **Insulation:** High Density Polyethylene (HDPE)
- **Shielding:** Aluminium foil & annealed tinned copper (ATC) drain wire
- **Outer Sheath:** Extruded FR PVC/LSZH sheath RJ 45 8P 8C connector
- **Plug:** 50 microns gold plated
- **Boot:** Shielded molding boot

### OUTSTANDING FEATURES

- Foil shielding reduces external EMI/RFI
- Enhanced signal integrity over longer distances
- Includes grounding capability for added stability
- Suitable for moderately noisy environments
- Maintains flexibility with added protection

### CHARACTERISTICS

- **Plug Mating:** >1000 mating cycle
- **Operating Temperature:** -10°C to 60°C
- **Storage Temperature:** -40°C to 70°C
- **Bandwidth:** 250 MHz
- **Data rate Support:** 500 MHz

### ELECTRICAL PROPERTIES

- **Spark Test for Insulation (DC):** 2.5 KV
- **Characteristics Impedance:** 100±15 ohm
- **Conductor DC Resistance Max:** 92 ohm/km
- **Propagation Delay Skew:** 48 ns/100 m

### STANDARD FOLLOWS

- ANSI/TIA – 568 C.2
- ISO/IEC – 11801

### APPROVALS



### NOTES

Colour option available on request

#### Packing Length:

Available in 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50 meter length and customized length  
Each patch cord in individual gift pack

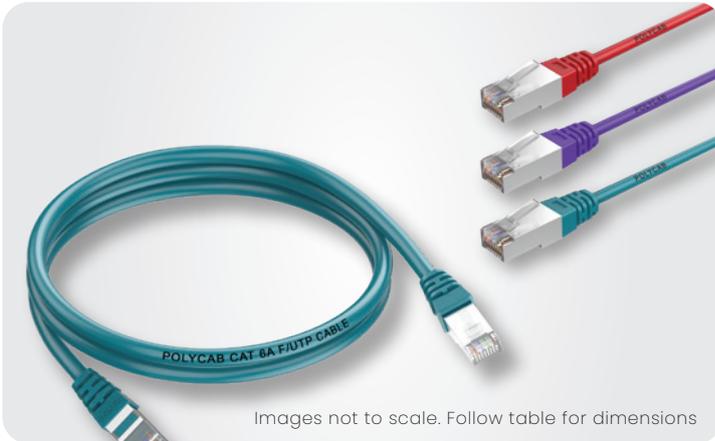


### OUR ACCREDITATIONS



# POLYCAB CAT 6 A F/UTP PATCH CORD

## 4 Pair X 23 AWG Foiled Twisted Pair



Images not to scale. Follow table for dimensions

### APPLICATION

**Polycab Cat 6A F/UTP Patch Cords** are built for next generation networks that demand speed, noise free signal and interference protection. Featuring foil shielded twisted pair (F/UTP) construction and terminated with precision RJ45 connector at both the end, these cords are compliant to with TIA/EIA-568-C.2 and ISO/IEC 11801 standards, supporting 10 gigabit ethernet over distances up to 100 meters. The foil shielding minimizes electromagnetic interference (EMI) and radio frequency interference (RFI), making these cords ideal for high-density, high-performance environments such as:

- **Data Centers:** High-speed interconnects between switches, servers, and patch panels with enhanced signal integrity
- **Enterprise Networks:** Reliable backbone for bandwidth intensive applications like video conferencing, cloud computing, and VoIP
- **Industrial Automation:** Stable performance in electrically noisy environments, ideal for PLCs, HMIs, and control systems
- **Healthcare Facilities:** Secure and interference-free data transmission for diagnostic equipment and patient monitoring systems
- **Security & Surveillance:** Consistent PoE delivery and data flow for IP cameras, access control, and monitoring systems
- **Smart Campuses:** Seamless connectivity for digital classrooms, IoT infrastructure, and centralized control systems

### CONSTRUCTION

- **Conductor:** Stranded copper
- **Insulation:** High Density Polyethylene (HDPE)
- **Shielding:** Aluminium foil & annealed tinned copper (ATC) drain wire
- **Outer Sheath:** Extruded FR PVC/LSZH sheath RJ 45 8P 8C connector
- **Plug:** 50 microns gold plated
- **Boot:** Shielded molding boot

### OUTSTANDING FEATURES

- Foil shield enhances EMI/RFI protection
- Stable 10G performance in moderately noisy environments
- Grounding capability improves network reliability
- Flexible design for easy deployment
- Suitable for smart buildings and campus networks

### CHARACTERISTICS

- **Plug Mating:** >1000 mating cycle
- **Operating Temperature:** -10°C to 60°C
- **Storage Temperature:** -40°C to 70°C
- **Bandwidth:** 500 MHz
- **Data Rate Support:** 10 Gbps

### ELECTRICAL PROPERTIES

- **Spark Test for Insulation (DC):** 2.5 KV
- **Characteristics Impedance:** 100±15 ohm
- **Conductor DC Resistance Max:** 92 ohm/km
- **Propagation Delay Skew:** 48 ns/100 m

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC 11801

### APPROVALS



### NOTES

**Colour option available on request**  
**Packing Length:** Available in 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50-meter length and customized length  
 Each patch cord in individual gift pack

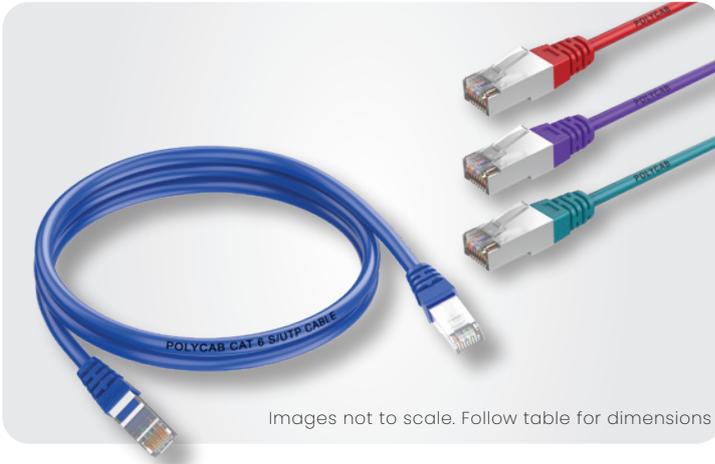


### OUR ACCREDITATIONS



# POLYCAB CAT 6 S/UTP PATCH CORD

## 4 Pair X 23 AWG Shielded Twisted Pair



Images not to scale. Follow table for dimensions

### APPLICATION

Polycab Cat 6 S/UTP Patch Cords are engineered for environments where electromagnetic interference (EMI) and radio frequency interference (RFI) pose real challenges to network reliability. Built with Shielded Twisted Pair (S/UTP) construction and terminated with high-quality RJ45 connector, these cords ensure stable, high-speed data transmission while maintaining robust shielding throughout the link.

Compliance with TIA/EIA-568-C.2 and ISO/IEC 11801 standards, these cords support gigabit ethernet and transmission frequencies up to 250 MHz, making them ideal for:

- **Data Centers:** Reliable interconnects between switches, servers, and patch panels with enhanced protection against crosstalk and external noise
- **Corporate Networks:** Smooth performance for VoIP, video conferencing, and cloud-based applications in electrically active office environments
- **Industrial Automation:** Stable communication in control rooms and factory floors where motors, drives, and heavy equipment generate EMI
- **Security & Surveillance:** Consistent PoE and data delivery for IP cameras and access control systems in high interference zones
- **Educational Institutions:** Reliable connectivity for digital classrooms, lab equipment, and campus-wide networking
- **Retail & POS Systems:** Fast and secure data transmission for point-of-sale terminals, kiosks, and inventory systems

### CONSTRUCTION

- **Conductor:** Stranded/solid copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Shielding:** Annealed tinned copper (ATC) wire braid
- **Outer Sheath:** Extruded FR PVC/LSZH sheath RJ 45 8P 8C connector
- **Plug:** 50 microns gold plated
- **Boot:** Shielded molding boot

### OUTSTANDING FEATURES

- Braided shield offers strong mechanical durability
- Superior grounding for consistent performance
- Reduces external noise and improves data clarity
- Ideal for industrial and commercial setups
- Reliable in high-flex and high-vibration zones

### CHARACTERISTICS

- **Plug Mating:** >1000 mating cycle
- **Operating Temperature:** -10°C to 60°C
- **Storage Temperature:** -40°C to 70°C
- **Bandwidth:** Up to 250 MHz
- **Data Rate Support:** Up to 1 Gbps

### ELECTRICAL PROPERTIES

- **Spark Test for Insulation (DC):** 2.5 KV
- **Characteristics Impedance:** 100±15 ohm
- **Conductor DC Resistance Max:** 92 ohm/km
- **Propagation Delay Skew:** 48 ns/100 m

### STANDARD FOLLOWS

- ANSI/TIA - 568 C.2
- ISO/IEC - 11801

### APPROVALS



### NOTES

Colour option available on request

#### Packing Length:

Available in 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50-meter length and customized length  
Each patch cord in individual gift pack

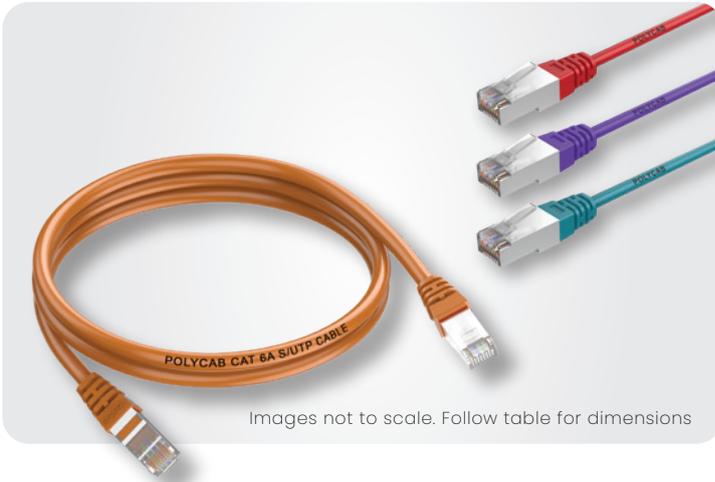


### OUR ACCREDITATIONS



# POLYCAB CAT 6 A S/UTP PATCH CORD

## 4 Pair X 23 AWG Shielded Twisted Pair



Images not to scale. Follow table for dimensions

### APPLICATION

Polycab Cat 6A S/UTP Patch Cords are designed for high speed, interference-resistant data transmission in mission-critical networks. Built with Shielded Twisted Pair (S/UTP) construction and terminated with precision RJ45 connector, these cords meet TIA/EIA-568-C.2 and ISO/IEC 11801 standards, supporting 10 gigabit ethernet over distances up to 100 meters.

The overall ATC wire shielding provides excellent protection against electromagnetic interference (EMI) and radio frequency interference (RFI)—making these cords ideal for:

- **Data Centers:** High-speed interconnects between switches, servers, and patch panels with minimal signal degradation
- **Enterprise Networks:** Reliable backbone for bandwidth-heavy applications like cloud computing, VoIP, and real-time collaboration tools
- **Industrial Automation:** Stable performance in electrically noisy environments, ideal for PLCs, HMIs, and robotic control systems
- **Healthcare Facilities:** Secure and interference-free transmission for diagnostic imaging, patient monitoring, and medical record systems
- **Security & Surveillance:** Consistent PoE and data delivery for IP cameras, access control systems, and monitoring infrastructure
- **Smart Campuses:** Seamless connectivity for digital classrooms, IoT devices, and centralized building management systems

### CONSTRUCTION

- **Conductor:** Stranded/solid copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Shielding:** Annealed tinned copper (ATC) wire braided
- **Outer Sheath:** Extruded FR PVC/LSZH sheath RJ 45 8P 8C connector
- **Plug:** 50 microns gold plated
- **Boot:** Shielded molding boot

### OUTSTANDING FEATURES

- Braided shield provides robust mechanical protection
- Excellent grounding and noise suppression
- Durable in high-flex and industrial setups
- Maintains high-speed data integrity
- Ideal for automation and control systems

### CHARACTERISTICS

- **Plug Mating:** >1000 mating cycle
- **Operating Temperature:** -10°C to 60°C
- **Storage Temperature:** -40°C to 70°C
- **Bandwidth:** 500 MHz
- **Data Rate Support:** 10 Gbps

### ELECTRICAL PROPERTIES

- **Spark Test for Insulation (DC):** 2.5 KV
- **Characteristics Impedance:** 100±15 ohm
- **Conductor DC Resistance Max:** 92 ohm/km
- **Propagation Delay Skew:** 48 ns/100 m

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC 11801

### APPROVALS



### NOTES

Colour option available on request

**Packing Length:** Available in 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50-meter length and customized length

Each patch cord in individual gift pack

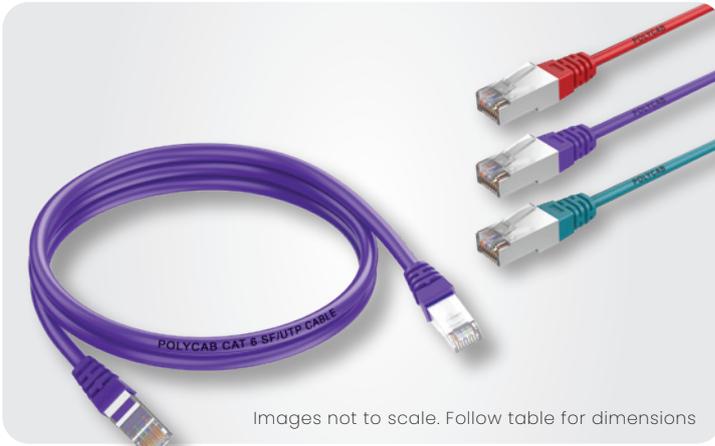


### OUR ACCREDITATIONS



# POLYCAB CAT 6 SF/UTP PATCH CORD

## 4 Pair X 23 AWG Shielded Foiled Twisted Pair



Images not to scale. Follow table for dimensions

### APPLICATION

**Polycab Cat 6 SF/UTP Patch Cords** are engineered for environments where electromagnetic noise and signal integrity are serious concerns. Featuring Shielded Foiled Twisted Pair (SF/UTP) construction, these cords combine an overall foil shield with a braided screen—delivering superior protection against EMI and RFI while maintaining flexibility and ease of installation. Compliance with TIA/EIA-568-C.2, ISO/IEC 11801, and IEC 60332-1 standards, these cords support gigabit ethernet and transmission frequencies up to 250 MHz, making them ideal for:

- **Data Centers:** High-speed interconnects between switches, servers, and patch panels with enhanced shielding for dense rack environments
- **Enterprise Networks:** Reliable backbone for VoIP, video conferencing, and cloud-based applications in electrically active office spaces
- **Industrial Automation:** Stable performance in control rooms and factory floors where motors and drives generate high EMI
- **Medical Facilities:** Secure and interference-free transmission for diagnostic imaging systems and patient monitoring equipment
- **Security & Surveillance:** Consistent PoE and data delivery for IP cameras and access control systems in high-interference zones
- **Smart Campuses:** Seamless connectivity for digital classrooms, IoT devices, and centralized building management systems

### CONSTRUCTION

- **Conductor:** Stranded/solid copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Shielding:** Overall aluminium foil & annealed tinned copper (ATC) wire braid
- **Outer Sheath:** Extruded FR PVC/LSZH sheath RJ 45 8P 8C connector
- **Plug:** 50 microns gold plated
- **Boot:** Shielded molding boot

### OUTSTANDING FEATURES

- Dual shielding (foil + braid) for maximum EMI/RFI protection
- Excellent signal integrity in high-interference areas
- Strong mechanical resilience for demanding environments
- Ideal for mission-critical applications
- Supports consistent gigabit performance

### CHARACTERISTICS

- **Plug Mating:** >1000 mating cycle
- **Operating Temperature:** -10°C to 60°C
- **Storage Temperature:** -40°C to 70°C
- **Bandwidth:** 250 MHz
- **Data Rate Support:** 1 Gbps

### ELECTRICAL PROPERTIES

- **Spark Test for Insulation (DC):** 2.5 KV
- **Characteristics Impedance:** 100±15 ohm
- **Conductor DC Resistance Max:** 92 ohm/km
- **Propagation Delay Skew:** 48 ns/100 m

### STANDARD FOLLOWS

- ANSI/TIA - 568 C.2
- ISO/IEC - 11801

### APPROVALS



### NOTES

**Colour option available on request**

**Packing Length:**

Available in 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50-meter length and customized length  
Each patch cord in individual gift pack

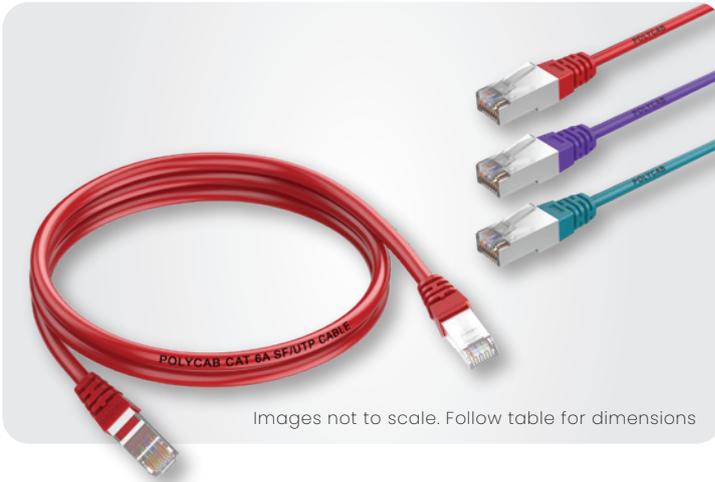


### OUR ACCREDITATIONS



# POLYCAB CAT 6 A SF/UTP PATCH CORD

## 4 Pair X 23 AWG Shielded Foiled Twisted Pair



Images not to scale. Follow table for dimensions

### APPLICATION

**Polycab Cat 6A SF/UTP Patch Cords** are engineered to deliver high-speed data transmission in environments where electromagnetic interference (EMI) and alien crosstalk can compromise network integrity. Featuring shielded foil twisted pair (SF/UTP) construction, these cords combine an overall foil shield and braided screen to deliver robust protection while maintaining flexibility and ease of installation.

Compliance with TIA/EIA-568-C.2, ISO/IEC 11801, and IEC 60332-1 standards, these cords support 10 gigabit ethernet over the full 100-meter channel, with performance up to 500 MHz—making them ideal for:

- **Data Centers:** High-density rack environments where shielding is essential for clean signal transmission between switches, servers, and patch panels
- **Enterprise Networks:** Backbone for bandwidth intensive applications like video conferencing, cloud computing, and virtual desktop infrastructure
- **Industrial Automation:** Reliable connectivity in electrically noisy zones, ideal for PLCs, HMIs, and robotic control systems
- **Healthcare Facilities:** Secure and interference-free data flow for diagnostic imaging, patient monitoring, and electronic health records
- **Security & Surveillance:** Stable PoE and data delivery for IP cameras, access control systems, and monitoring infrastructure
- **Smart Campuses:** Seamless integration of IoT devices, digital classrooms, and centralized building management systems

### CONSTRUCTION

- **Conductor:** Stranded/solid copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Shielding:** Aluminium foil and annealed tinned copper (ATC) wire braid
- **Outer Sheath:** Extruded FR PVC/LSZH sheath RJ 45 8P 8C connector
- **Plug:** 50 microns gold plated
- **Boot:** Shielded molding boot

### OUTSTANDING FEATURES

- Dual shielding ensures maximum interference rejection
- Reliable 10G transmission in high-density environments
- Superior grounding and mechanical strength
- Ideal for data centers, healthcare, and surveillance
- Built for mission-critical uptime and clarity

### CHARACTERISTICS

- **Plug Mating:** >1000 mating cycle
- **Operating Temperature:** -10°C to 60°C
- **Storage Temperature:** -40°C to 70°C
- **Bandwidth:** up to 500 MHz
- **Data Rate Support:** Up to 10 Gbps

### ELECTRICAL PROPERTIES

- **Spark Test for Insulation (DC):** 2.5 KV
- **Characteristics Impedance:** 100±15 ohm
- **Conductor DC Resistance Max:** 92 ohm/km
- **Propagation Delay Skew:** 48 ns/100 m

### STANDARD FOLLOWS

- ANSI/TIA 568 C.2
- ISO/IEC 11801

### APPROVALS



### NOTES

**Colour option available on request**

**Packing Length:** Available in 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50-meter length and customized length

Each patch cord in individual gift pack

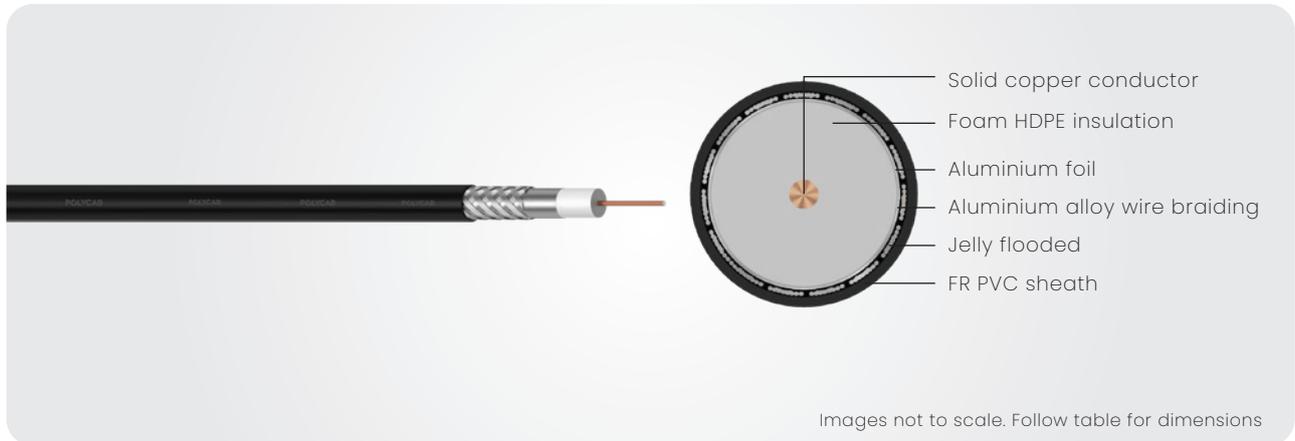


### OUR ACCREDITATIONS



# POLYCAB CO-AXIAL CABLE

## 75 ohm CATV Application



### APPLICATION

**Polycab Co-axial Cables**, compliance with ANSI/SCTE 74 2011, are designed for 75 Ω RF signal transmission in CATV, satellite, broadband, and CCTV systems. Their low-loss construction and superior shielding ensure reliable performance in high-frequency environments, making them ideal for HFC networks, antenna feeds, and precision instrumentation.

These cables offer excellent return loss characteristics and stable impedance across extended frequency ranges, supporting both analog and digital signal formats. Their robust mechanical design ensures longterm durability in indoor and outdoor installations, even under challenging environmental conditions.

### CHARACTERISTICS

- **Operation Temperature Max:** 70°C
- **Bending Radius:** 20 x Overall diameter

### CONSTRUCTION

#### RG-59 F/RG-6 F/RG-11 F:

- **Conductor:** Solid bare copper

#### RG-6 CCS/RG-11 CCS:

- **Conductor:** Solid copper clad steel
- **Insulation:** Foam HDPE (high density polyethylene)
- **Primary shield:** Bonded aluminium foil
- **Secondary shield:** Aluminium alloy wire.  
Flooded with jelly
- **Sheath:** Extruded flame retardant PVC in black colour.

### OUTSTANDING FEATURES

- Minimum loss in signal quality
- Support higher bandwidth
- Low attenuation value
- Minimum structural return loss (SRL)
- Excellent EMF/RFI shielding

### STANDARD FOLLOWS

- ANSI/SCTE 74 2011

### APPROVALS



### NOTES

All above products are available with armouring also



### OUR ACCREDITATIONS



# POLYCAB CO-AXIAL CABLE

## 75 ohm CATV Application

### Dimension Data

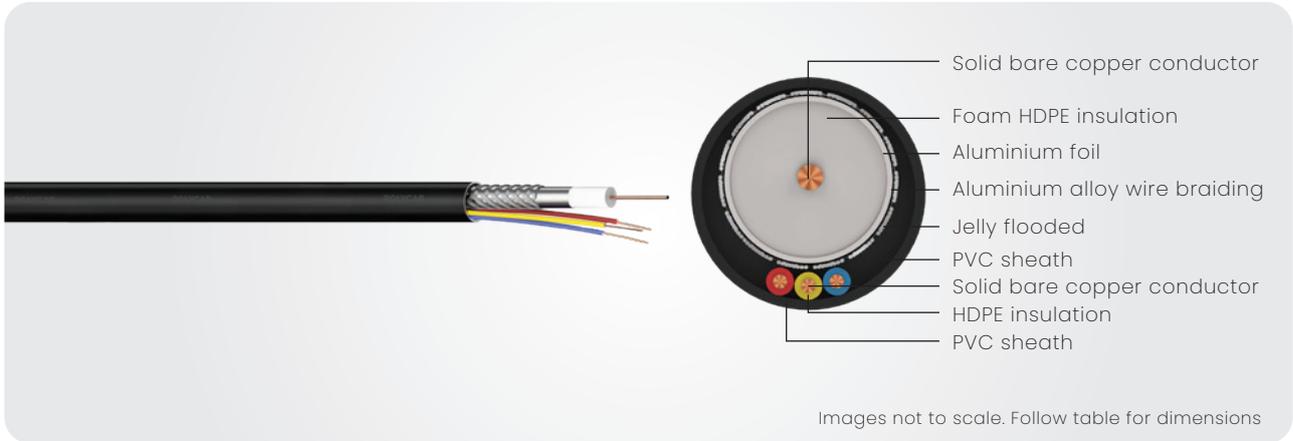
Product basic code	Co-axial cable	Dia. over dielectric mm	Overall diameter mm
RGPB05CPUAY1001CRG59H001S	RG-59 F	3.55	5.7
RGPB05CPUAY1001CRG06H001S	RG-6 F	4.57	6.6
RGPB05CPUAY1001CRG11H001S	RG-11 F	7.11	9.8
RGPB05SPUAY1001CRG11H001S	RG-11 CCS	7.11	9.8
RGPB05SPUAY1001CRG06H001S	RG-6 CCS	4.57	6.8

### Electrical Characteristics

Parameter	RG-59 F	RG-6 F	RG-11 F	RG-11 CCS	RG-6 CCS
Nominal impedance ( $\Omega$ )	75 $\pm$ 3	75 $\pm$ 3	75 $\pm$ 3	75 $\pm$ 3	75 $\pm$ 3
Capacitance (pf/m)	53 $\pm$ 3	53 $\pm$ 3	53 $\pm$ 3	53 $\pm$ 3	53 $\pm$ 3
Maximum DC conductor resistance at 20°C ( $\Omega$ /km)	35.5	21.4	8.5	45 (Conductivity-21%)	112 (Conductivity-21%)
Velocity of propagation (%)	82	82	82	82	82
Attenuation at 20°C (dB/100 m) at					
5 MHz	2.82	1.95	1.25	1.25	1.95
55 MHz	6.73	5.2	3.15	3.15	5.2
211 MHz	12.47	9.5	3.87	3.87	9.5
250 MHz	13.45	10.5	5.74	5.74	10.5
300 MHz	14.6	11.5	6.23	6.23	11.5
350 MHz	15.75	12.4	6.72	6.72	12.4
400 MHz	16.73	13.3	7.38	7.38	13.3
450 MHz	17.72	14.35	7.94	7.94	14.35
550 MHz	19.52	15.7	8.53	8.53	15.7
600 MHz	22.87	16.45	9.02	9.02	16.45
750 MHz	24.67	18.35	9.51	9.51	18.35
865 MHz	26.64	19.95	9.97	9.97	19.95
1000 MHz	21.45	21.45	10.43	10.43	21.45

# POLYCAB CCTV CABLE

## Communication Cable



### APPLICATION

**Polycab CCTV Cables** are designed for analog surveillance systems, enabling reliable video and power transmission over long distances. Ideal for indoor and outdoor installations in residential, commercial, and industrial environments. Suitable for dome, bullet, and PTZ cameras with stable signal quality and minimal interference.

These cables are built to withstand environmental stress, ensuring consistent performance in 24/7 monitoring setups. Their integrated design simplifies installation by combining video and power cores, reducing clutter and improving system efficiency. Recommended for use in security networks, perimeter surveillance, and centralized monitoring systems.

### OUTSTANDING FEATURES

- Minimum loss in signal quality
- Higher bandwidth
- Low attenuation value
- Minimum structural return loss (SRL)
- Moisture proof

### APPROVALS



### NOTES

CCTV Cable with armuoring also available.

### CHARACTERISTICS

- **Operation Temperature Max:** 70° C
- **Bending Radius:** 60 mm

### CONSTRUCTION

#### Power Core

- **Conductor:** Solid bare copper conductor
- **Insulation:** High Density Polyethylene (HDPE)

#### Co-axial cable : RG 59 F

- **Conductor:** Solid bare copper
- **Insulation:** Foam High Density Polyethylene (HDPE)
- **Inner Shielded:** Aluminium foil
- **Braid:** Aluminium alloy wire braiding flooded with jelly
- **Sheath:** Extruded PVC type ST1



### OUR ACCREDITATIONS



# POLYCAB CCTV CABLE

## Communication Cable

### Dimension Data

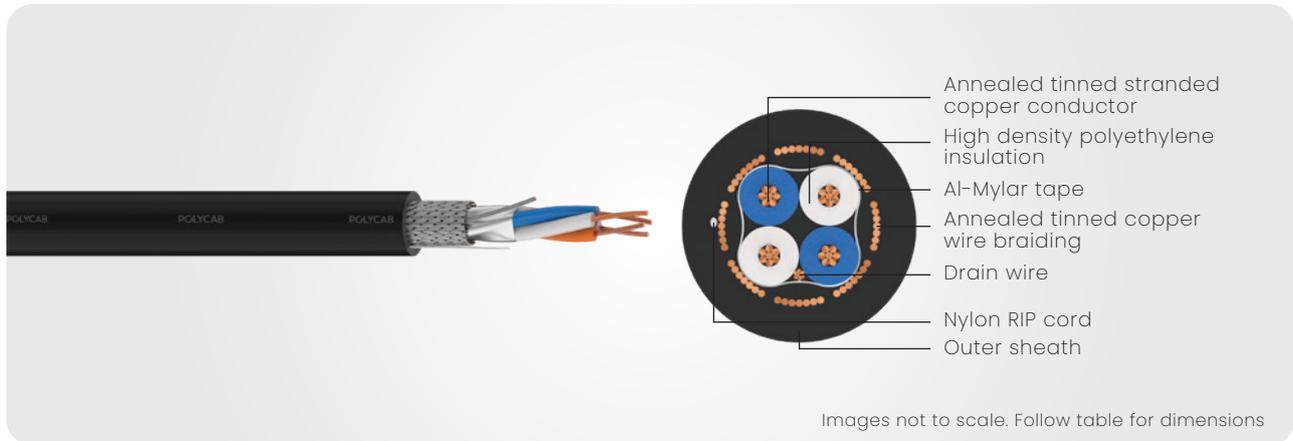
Product basic code	CCTV cable type	Size	Nominal dia. over insulation mm	Dia. over dielectric (RG 59 F) mm	Overall diameter mm
CCPB05CPUAY1003C0.5M	CCTV (3+1)	RG 59 F + 3C x 0.5mm	0.9	3.55	7.5±1.5
CCPB05CPUAY1004C0.5M	CCTV (4+1)	RG 59 F + 4C x 0.5mm	0.9	3.55	7.5±1.5

### Electrical Characteristics

Parameter	CCTV (3+1)	CCTV (4+1)
Nominal impedance ( $\Omega$ )	75±3	75±3
Capacitance (pf/m)	53±3	53±3
Maximum DC conductor resistance at 20°C ( $\Omega$ /km)	35.5	35.5
Velocity of propagation (%)	82	82
Attenuation at 20°C (dB/100 m) at		
5 MHz	2.82	2.82
55 MHz	6.73	6.73
211 MHz	12.47	12.47
250 MHz	13.45	13.45
300 MHz	14.6	14.6
350 MHz	15.75	15.75
400 MHz	16.73	16.73
450 MHz	17.72	17.72
550 MHz	19.52	19.52
600 MHz	22.87	22.87
750 MHz	24.67	24.67
865 MHz	26.64	26.64
1000 MHz	21.45	21.45

# POLYCAB RS-485 UNARMoured CABLE

DATA CABLE, 300/500 V AC



## APPLICATION

Polycab RS-485 unarmoured cable are commonly used for longdistance, high-speed data transmission in industrial and commercial settings. They support communication protocols like Modbus, BACnet, and DMX512, making them ideal for automation systems, building management networks, and factory floor equipment. With the ability to connect multiple devices in a single network, RS-485 cables ensure stable performance even in electrically noisy environments.

## CONSTRUCTION

- **Conductor:** Stranded annealed tinned copper conductor
- **Insulation:** High Density Polyethylene (HDPE)
- **Laid Up:** Twisted pairs laid up suitably
- **Shielding:** Aluminum-Mylar tape & annealed tinned copper (ATC) drain wire
- **Screen:** Annealed tinned copper (ATC) wire braiding
- **RIP Cord:** Yes
- **Sheath:** Extruded FRLSH PVC type ST1

## CHARACTERISTICS

- **Voltage Rating:** 300/500 V

### Operation Temperature

- **Operation:** -10°C to 70°C
- **Installation:** 0°C to 50°C

### Core Identification

- **1 Pair** – White - Blue
- **2 Pair** – White - Blue, White - Orange

- **Bending Radii:** 12 x Overall diameter

- **Packing Length:** 100 Meter Coil

## OUTSTANDING FEATURES

- Low capacitance
- High level of screening to ensure interference free performance
- High speed data transmission

## STANDARD FOLLOWS

- Gen. BS EN 50288-7
- IEC 60228
- IEC 60332-1
- IEC 60754-1
- ASTM D 2863
- ASTM D 2843

## APPROVALS



## NOTES

This cable is also available with LSZH outer sheath.



## OUR ACCREDITATIONS



**POLYCAB RS-485 UNARMoured CABLE****DATA CABLE, 300/500 V AC****Dimension Data**

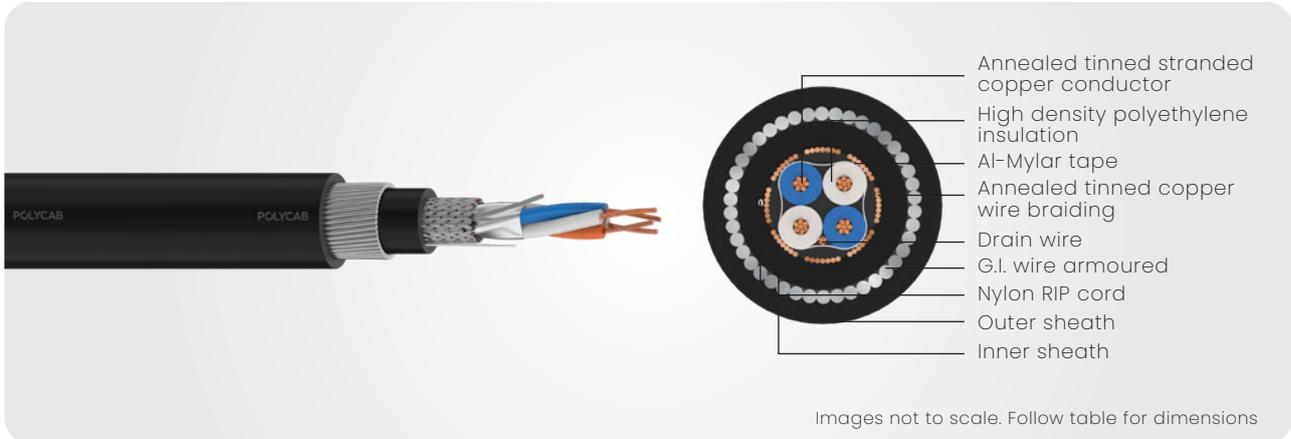
Product code	No. of Pair	Conductor Size AWG	Conductor Size mm <sup>2</sup>	Overall dia. (Approx.) mm
ICRS05TPUAYF001P.22SA	1	24	0.22	6.50 ± 2
ICRS05TPUAYF001P.32SA	1	22	0.32	7.0 ± 2
ICRS05TPUAYF001P.50SA	1	20	0.5	7.50 ± 2
ICRS05TPUAYF001P.80SA	1	18	0.8	8.0 ± 2
ICRS05TPUAYF001P001SA	1	17	0.01	8.50 ± 2
ICRS05TPUAYF002P.22SA	2	24	0.22	9.0 ± 2
ICRS05TPUAYF002P.32SA	2	22	0.32	9.5 ± 2
ICRS05TPUAYF002P.50SA	2	20	0.5	10.0 ± 2
ICRS05TPUAYF001P.22SA	2	18	0.8	11.0 ± 2
ICRS05TPUAYF002P001SA	2	17	0.01	11.50 ± 2

**Electrical Characteristics**

Parameter	Size	24 AWG	22 AWG	20 AWG	18 AWG	17 AWG
Maximum Conductor Resistance @ 20°C	Ω/Km	86	60	36.7	23.5	18.5
Capacitance						
Core to Core	nf/km @800/1000 KHz	≤ 100	≤ 100	≤ 100	≤ 100	≤ 100
Core to Shield	nf/km	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250
Characteristics impedance	Ω	120	120	120	120	120
Maximum Loop Resistance	Ω/Km	172	120	73.4	47	37
Insulation Resistance	Ω/Km	5 G	5 G	5 G	5 G	5 G
Velocity of Propagation	%	66	66	66	66	66
Dielectric Strength (DC Voltage)						
Cond to Cond	KV/ 1 Minute	1	1	1	1	1
Cond to shield	KV/ 1 Minute	0.5	0.5	0.5	0.5	0.5

## POLYCAB RS-485 ARMoured

DATA CABLE, 300/500 V AC



Images not to scale. Follow table for dimensions

### APPLICATION

**POLYCAB RS-485** armoured cables are engineered for stable data and signal transmission in harsh industrial environments. Their reinforced construction ensures protection against moisture, chemicals, and mechanical damage, making them ideal for factory automation, process control, and data acquisition systems. These cables maintain signal integrity in electrically noisy conditions and support long-distance, multipoint communication, ensuring consistent performance in control, regulation, and measurement applications.

### CHARACTERISTICS

- **Voltage Rating:** 300/500 V

#### Operation Temperature

- **Operation:** -10°C to 70°C
- **Installation:** 0°C to 50°C

#### Core Identification

- **1 Pair** – White – Blue
- **2 Pair** – White – Blue, White – Orange

- **Bending Radii:** 12 x Overall diameter

### CONSTRUCTION

- **Conductor:** Stranded annealed tinned copper conductor
- **Insulation:** High Density Polyethylene
- **Laid Up:** Twisted pairs laid up suitably
- **Shielding:** Aluminium-Mylar tape & annealed tinned copper (ATC) drain wire
- **Screen:** Annealed tinned copper (ATC) wire braiding
- **Ripcord:** Yes
- **Inner sheath:** Extruded PVC type ST1
- **Armour:** Galvanized steel round wire
- **Sheath:** Extruded FRLSH PVC type ST1

### OUTSTANDING FEATURES

- Low capacitance
- High level of screening to ensure interference free performance
- High speed data transmission

### APPROVALS



### NOTES

This cable is also available with LSZH outer sheath.

#### Packing Length

500 Meter



### OUR ACCREDITATIONS



# POLYCAB RS-485 ARMoured

DATA CABLE, 300/500 V AC

## Dimension Data

Product code	No. of Pair	Conductor Size AWG	Conductor Size mm <sup>2</sup>	Overall dia. (Approx.) mm
ICRS05TPSWYF001P.22SA	1	24	0.22	10.0 ± 2
ICRS05TPSWYF001P.32SA	1	22	0.32	10.5 ± 2
ICRS05TPSWYF001P.50SA	1	20	0.5	11.0 ± 2
ICRS05TPSWYF001P.80SA	1	18	0.8	11.5 ± 2
ICRS05TPSWYF001P001SA	1	17	0.01	12 ± 2
ICRS05TPSWYF002P.22SA	2	24	0.22	12.0 ± 2
ICRS05TPSWYF002P.32SA	2	22	0.32	12.50 ± 2
ICRS05TPSWYF002P.50SA	2	20	0.5	13.50 ± 2
ICRS05TPSWYF001P.22SA	2	18	0.8	14.50 ± 2
ICRS05TPSWYF002P001SA	2	17	0.01	15.0 ± 2

## Electrical Characteristics

Parameter	Size	24 AWG	22 AWG	20 AWG	18 AWG	17 AWG
Maximum Conductor Resistance @ 20°C	Ω/Km	86	60	36.7	23.5	18.5
Capacitance						
Core to Core	nf/km @800/1000 KHz	≤ 100	≤ 100	≤ 100	≤ 100	≤ 100
Core to Shield	nf/km	≤ 250	≤ 250	≤ 250	≤ 250	≤ 250
Characteristics impedance	Ω	120	120	120	120	120
Maximum Loop Resistance	Ω/Km	172	120	73.4	47	37
Insulation Resistance	Ω/Km	5 G	5 G	5 G	5 G	5 G
Velocity of Propagation	%	66	66	66	66	66
Dielectric Strength (DC Voltage)						
Cond to Cond	KV/ 1 Minute	1	1	1	1	1
Cond to Shield	KV/ 1 Minute	0.5	0.5	0.5	0.5	0.5

# POLYCAB

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