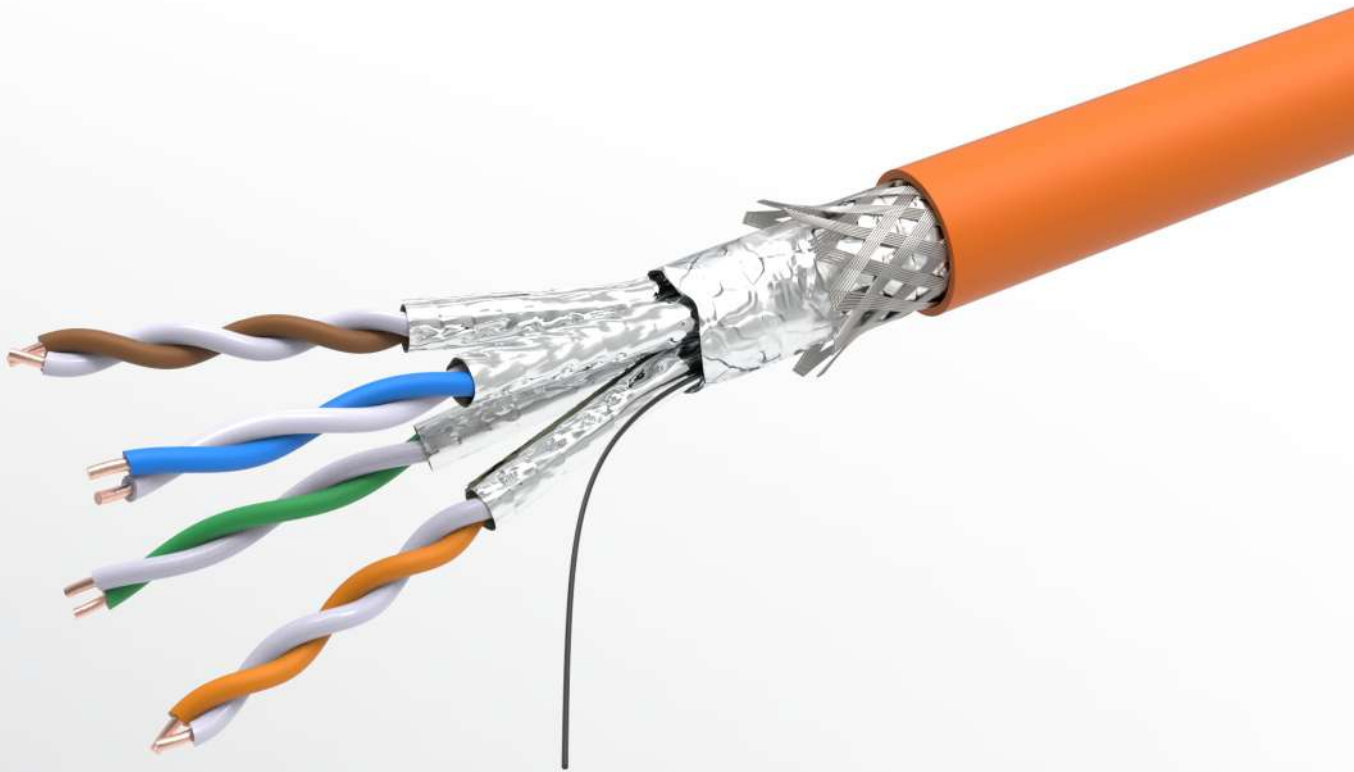
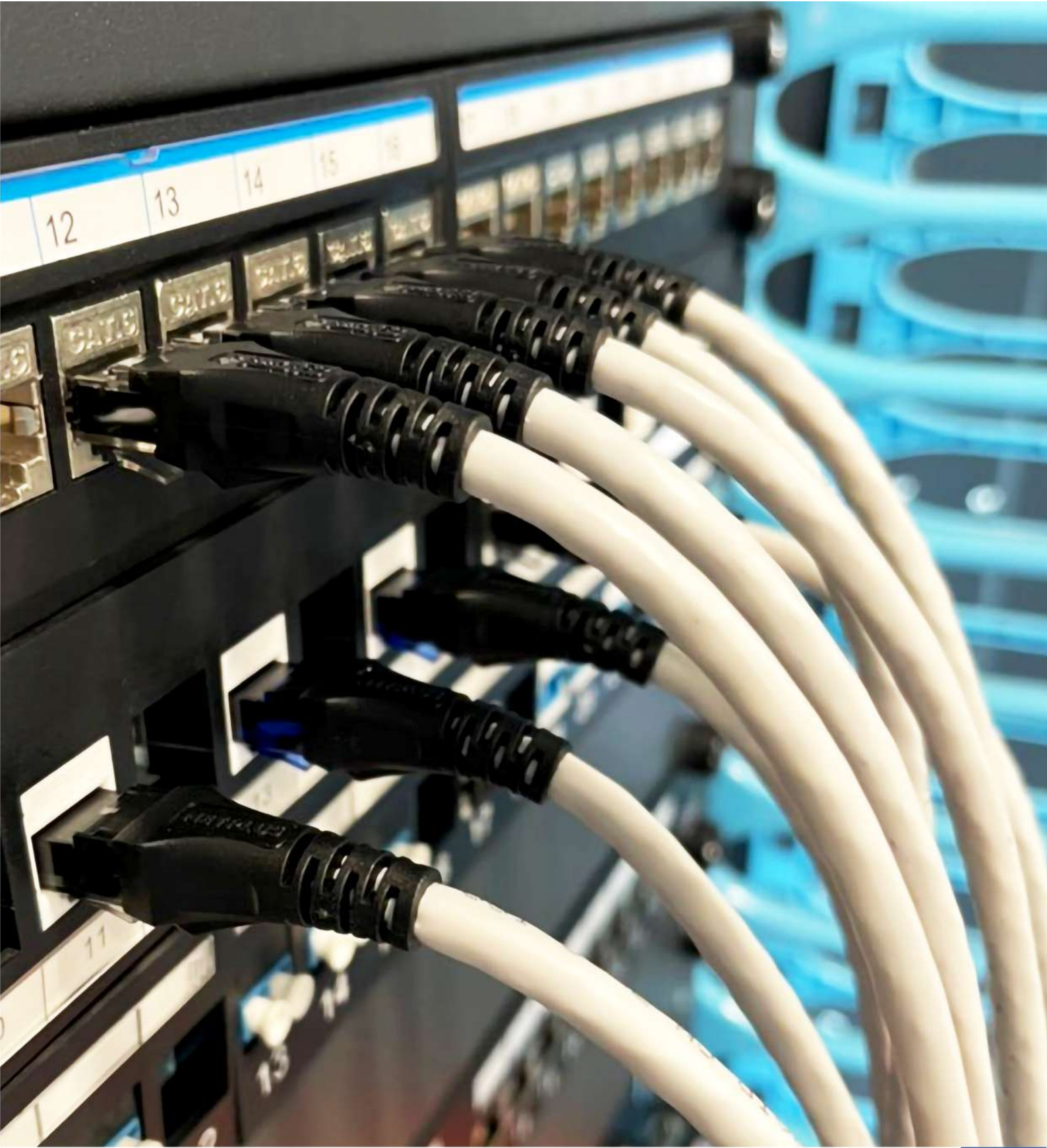




Copper Cable System

Structured Cabling Solution

Copper Cable System Structured Cabling Solution

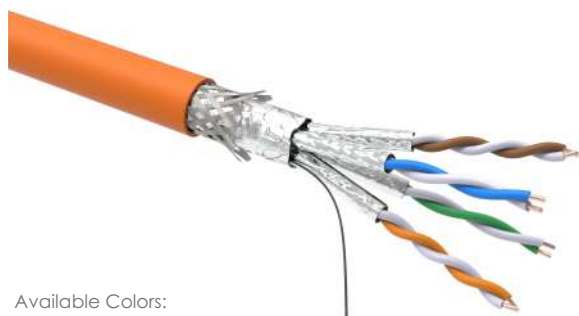


Company Profile:

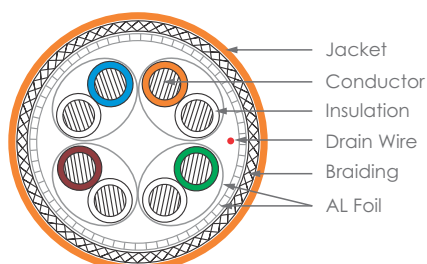
Sumico is a professional developer company of cabling solutions for copper and optical network infrastructure. was established in 2006. As a trustworthy company started in Taiwan and with manufacturing plants in China. in 2013 company shifted to Hong Kong where the company's head office remains today, SUMICO has been dedicated to delivering world high quality standard network infrastructure products to support business-critical needs entries worldwide. SUMICO engineers team has over 25 years experience specialize in Network Copper & fiber Passive cabling products. With a group of competent R&D staff and efficient, well-coordinated workers in the production lines, we are ready to design and manufacture to your exact specifications for ODM/OEM requirements. The continuous drive for innovation and quality by our in-house & Out-house R&D teams and by outsite and onsite manufacturing plant to providing a full range of OEM/ODM products services to the customers and business partners around the world. SUMICO provide 25 year system warranty base on the End-to-End solution products to offer an extensive range of complete high performance solutions to address the economic and operational challenges faced by the IT, Infrastructure and data center managers today. Being a responsible company that has ISO 9001/ISO 14001 certifications and possesses superior manufacturing, management and marketing skill, we have been devoting ourselves to uplifting and providing all people with a safe, secure and convenient environment. Along with accumulated experience and core competence in the industry, we are keen to innovate by developing the products with quality, reliability, creativity and added-value to our customers. Stability in quality and performance in products helps us to growth in the worldwide Network & telecommunication market share. We are also committed to speed, service and support in order to meet our customers' requirements. Customers' satisfaction is our top priority.



SF/FTP Cat8 Cable



Available Colors:



Application:

- Rated for every 25/40 G base-T Ethernet
- 1000BASE-T (IEEE802.3)
- 100VG-AnyLAN (IEEE802.12)
- Voice, T1, ISDN, E1
- 155/ 622 Mbps ATM
- Power over Ethernet

Structure:

- 28AWG 4 - pair precision twisted cable
- Foam PE insulation
- Aluminum foil screen around each pair with insulation on the inside surface
- Braiding on the 2nd surface
- FR PVC/LSZH jacket on the outside
- ROHS Compliant
- Polyester/Aluminum foil
- Transmission: 10Gbps

Industrial Standards:

- EN50173, EN50288-4-1, ISO/IEC11801, ISO/IEC61156-5

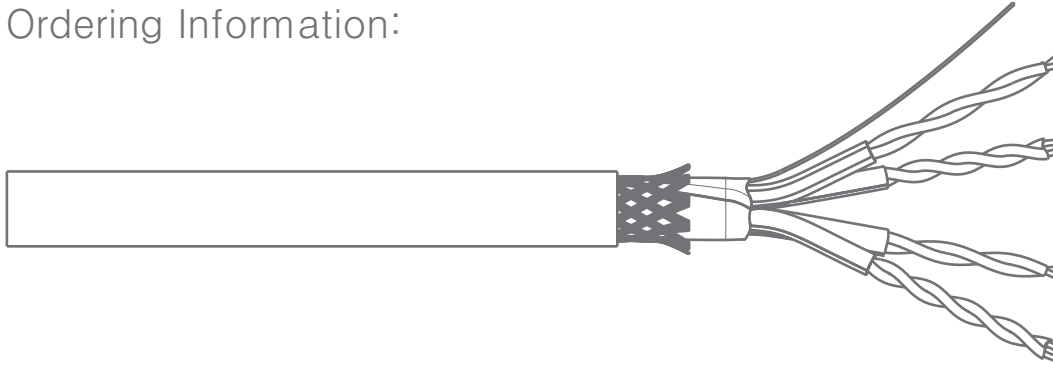


Electrical Characteristics:

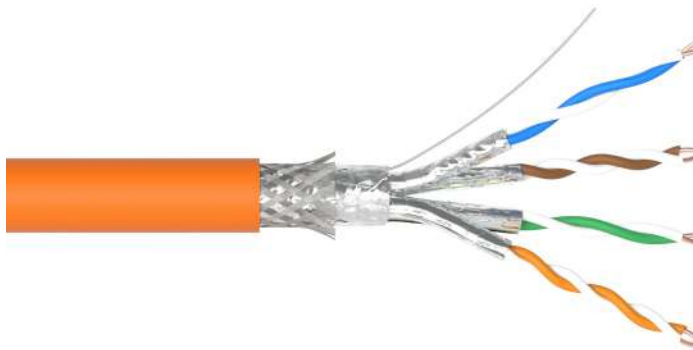
Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	PS ELFEXT (dB)
1	20.0	2.0	108.4	107.0	75.0
4	23.0	3.8	99.3	98.0	75.0
10	25.0	5.8	93.4	95.0	71.0
20	25.0	8.2	88.9	90.0	65.0
30	23.8	10.1	86.2	90.0	61.5
100	21.1	18.5	78.4	80.0	51.0
200	18.8	26.5	73.8	80.0	43.0
300	17.3	32.7	72.4	77.0	41.5
600	17.3	47.1	71.2	77.0	38.9
2000	-	-	-	72.0	37.0



Ordering Information:



SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

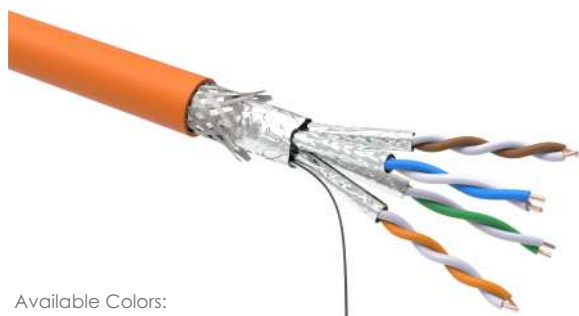


Example: SU-CBL-771111-3

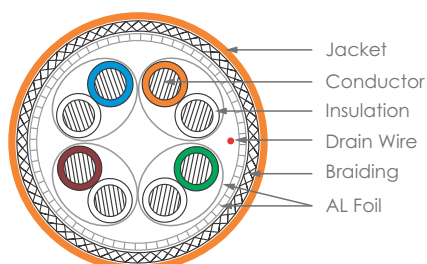
SUMICO, Copper Cable, Cat7, SF/FTP, Regular, Solid, PVC, Orange, 500m/Reel



SF/FTP Cat7 Cable



Available Colors:



Application:

- 10GB Networks ,High speed Connection (10GB)
- 1000BASE-T (IEEE802.3)
- 100VG-AnyLAN (IEEE802.12)
- Voice, T1, ISDN, E1
- 155/ 622 Mbps ATM
- Power over Ethernet

Structure:

- 22AWG Solid Bare Copper
- Foam PE insulation
- Aluminum foil screen around each pair with insulation on the inside surface
- Braiding on the 2nd surface
- FR PVC/LSZH jacket on the outside
- ROHS Compliant
- Polyester/Aluminum foil
- Transmission: 10Gbps

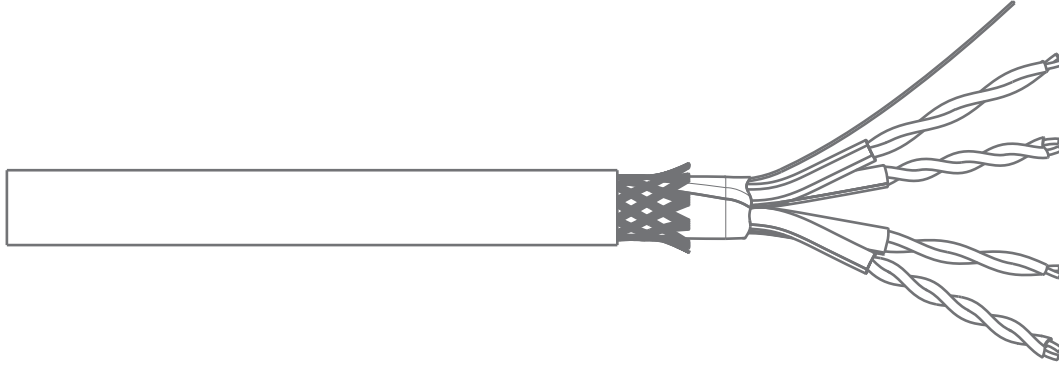
Industrial Standards: EN 50173-4, EN 50173-4-1, ISO/IEC11801, ISO/IEC61156-5



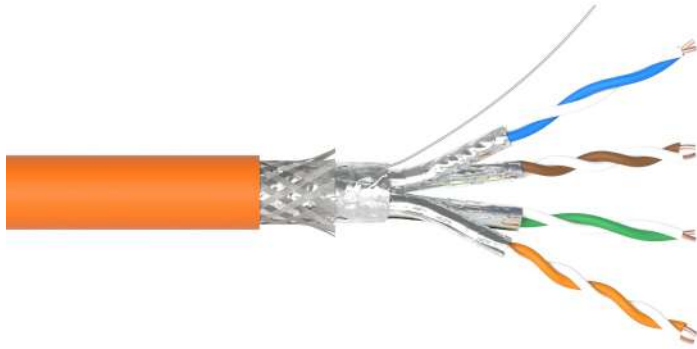
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	PS ELFEXT (dB)
1	20.0	1.9	80.3	99.4	/
10	25.0	5.7	65.3	84.4	72.3
31.3	25.0	10.2	57.9	77	62.4
62.5	25.0	14.7	53.4	72.5	56.4
100	25.0	18.9	50.3	69.4	52.3
155	22.8	23.9	47.5	66.6	48.5
200	21.7	27.5	45.8	64.9	46.3
350	20.5	37.7	40.2	61.2	41.4
400	19.5	40.6	39.3	60.4	40.3
500	18.4	46.2	37.8	58.9	38.3
600	17.6	51.4	36.6	57.7	36.7





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

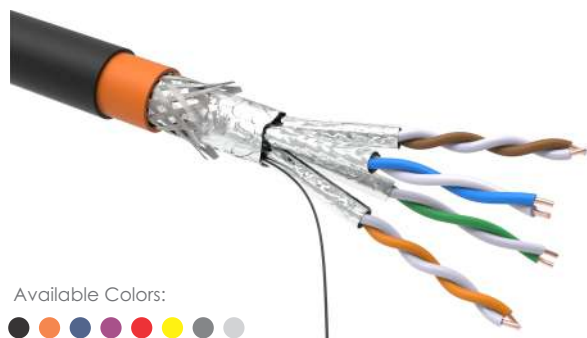


Example: SU-CBL-571111-3

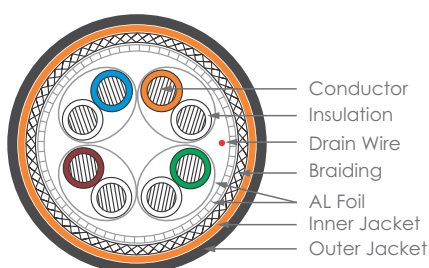
SUMICO, Copper Cable, Cat7, SF/FTP, Regular, Solid, PVC, Orange, 500m/Reel



SF/FTP Cat7 Outdoor Cable



Available Colors:



Application:

- 10GB Networks ,High speed Connection (10GB)
- 1000BASE-T (IEEE802.3)
- 100VG-AnyLAN (IEEE802.12)
- Voice, T1, ISDN, E1
- 155/ 622 Mbps ATM
- Power over Ethernet

Structure:

- 22AWG Solid Bare Copper
- Foam PE insulation
- Aluminum foil screen around each pair with insulation on the inside surface
- Braiding on the 2nd surface
- FR PVC/LSZH jacket on the outside
- PE on the outside sheath
- ROHS Compliant
- Polyester/Aluminum foil
- Transmission: 10Gbps

Industrial Standards:

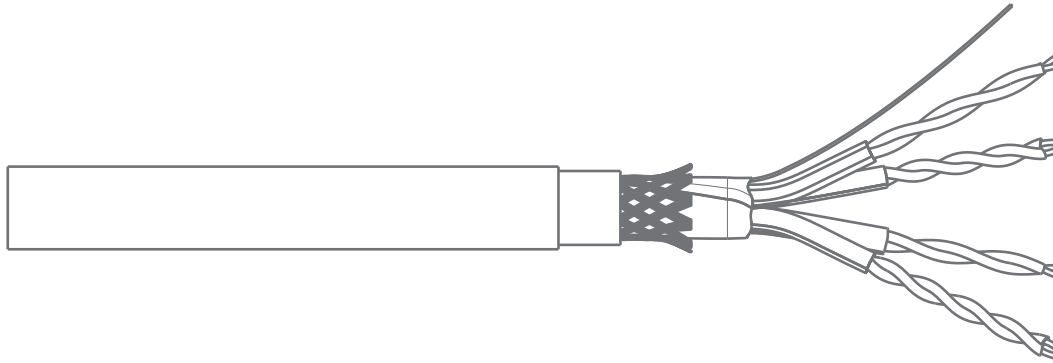
- EN50173, EN50288-4-1, ISO/IEC11801, ISO/IEC61156-5



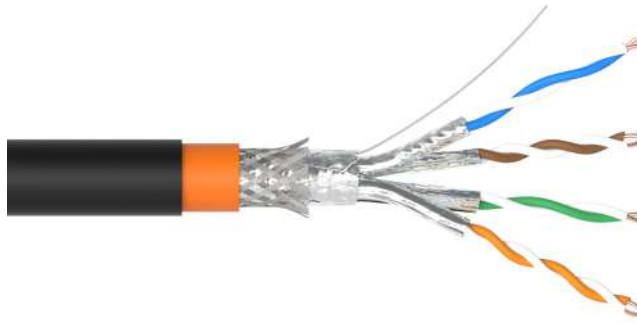
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	PS ELFEXT (dB)
1	20.0	1.9	80.3	99.4	/
10	25.0	5.7	65.3	84.4	72.3
31.3	25.0	10.2	57.9	77	62.4
62.5	25.0	14.7	53.4	72.5	56.4
100	25.0	18.9	50.3	69.4	52.3
155	22.8	23.9	47.5	66.6	48.5
200	21.7	27.5	45.8	64.9	46.3
350	20.5	37.7	40.2	61.2	41.4
400	19.5	40.6	39.3	60.4	40.3
500	18.4	46.2	37.8	58.9	38.3
600	17.6	51.4	36.6	57.7	36.7





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

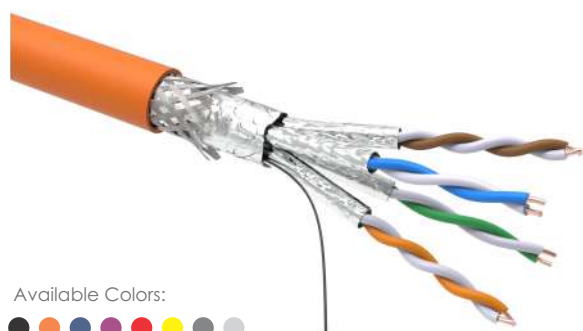


Example: SU-CBL-572140-3

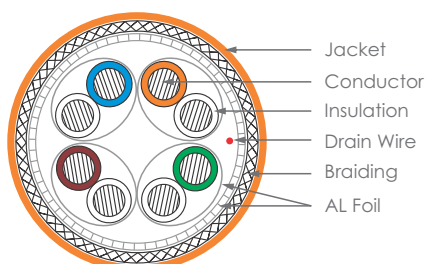
SUMICO, Copper Cable, Cat7, SF/FTP, Outdoor, Solid, TPE, Black, 500m/Reel



SF/FTP Cat6A Cable



Available Colors:



Application:

- 10GB Networks ,High speed Connection (10GB)
- 1000BASE-T (IEEE802.3)
- 100VG-AnyLAN (IEEE802.12)
- Voice, T1, ISDN, E1
- 155/ 622 Mbps ATM
- Power over Ethernet

Structure:

- AWG23 Conductor Solid or Stranded Bare
Copper Conductor Dia. (+0.008/-0.01mm)0.570
- Insulation Foam PE,
Average Thickness(± 0.03 mm)0.3
Min. Point Thickness(mm)0.36
- Insulation Dia.(± 0.03 mm)1.34
- Twisting Lay Length(mm)30 underneath
- Cabling Lay Length(± 20 mm)100 ± 20
- Drain wire 0.4TC
- Polyester/Aluminum foil
- BRAID16*6*0.12 CCAM
- FR PVC/LSZH jacket
- Average Thickness(± 0.05 mm)0.7
- Transmission: 10Gbps

Industrial Standards:

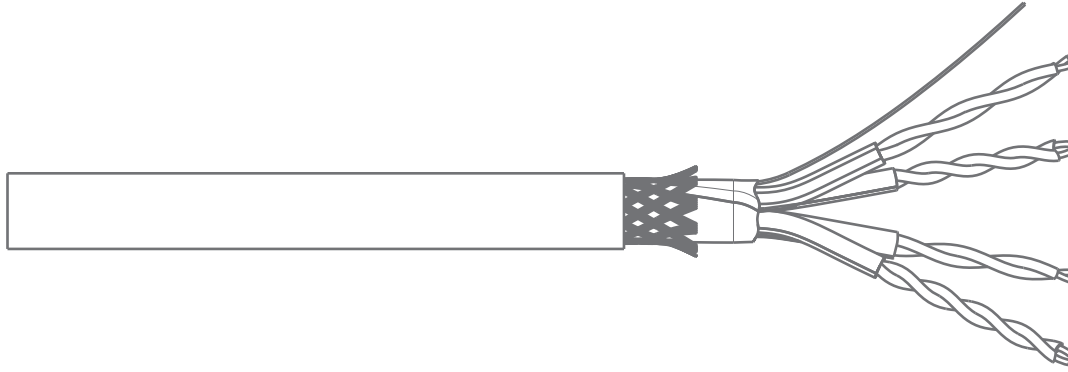
- International ISO/IEC11801
- EIA/TIA568C.2



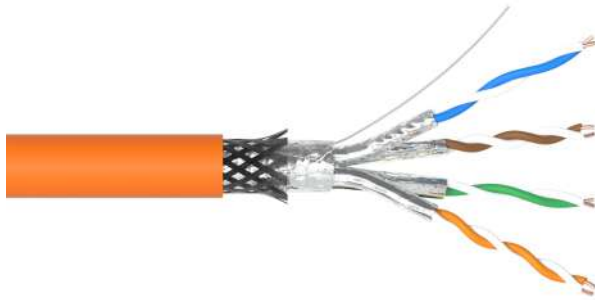
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	ACR (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.0	81.3	79.3	74.8	570.0	71.8
4	23.6	3.7	72.3	70.3	62.7	562.0	59.7
10	26.0	5.9	66.3	64.3	54.8	545.4	51.8
16	26.0	7.4	63.2	61.2	50.7	543.0	47.7
20	26.0	8.3	61.8	59.8	48.7	542.0	45.7
30	24.8	10.2	59.1	57.1	45.2	538.6	42.2
62.5	22.5	14.9	54.4	52.4	38.8	537.6	35.8
100	21.1	19.0	51.3	49.3	34.8	536.8	31.8
200	19	27.5	46.8	44.8	28.7	536.5	25.7
250	18.3	31.0	45.3	43.3	26.8	536.3	23.8
300	17.8	34.2	44.1	42.1	25.2	535.1	22.2
350	17.3	37.2	43.1	41.1	23.9	535.9	20.9
400	16.9	40	42.3	40.3	22.7	535.8	19.7
500	16.2	45.3	40.8	38.8	20.8	535.6	17.8





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

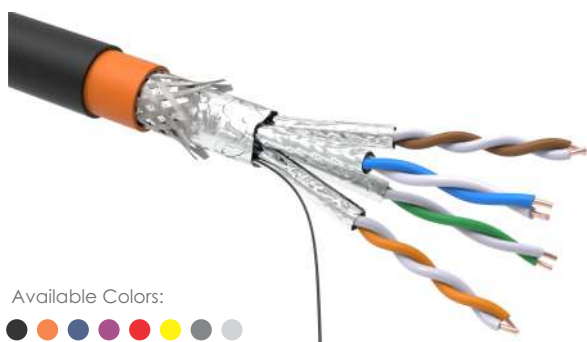


Example: SU-CBL-471112-3

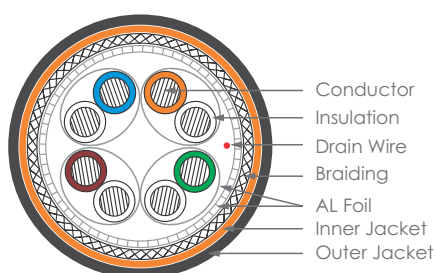
SUMICO, Copper Cable, Cat6A ,SF/FTP, Regular, Solid, PVC, Orange, 500m/Reel



SF/FTP Cat6A Outdoor Cable



Available Colors:



Application:

- 10GB Networks ,High speed Connection (10GB)
- 1000BASE-T (IEEE802.3)
- 100VG-AnyLAN (IEEE802.12)
- Voice, T1, ISDN, E1
- 155/ 622 Mbps ATM
- Power over Ethernet

Structure:

- AWG23 Conductor Solid or Stranded Bare
Copper Conductor Dia. (+0.008/-0.01mm)0.570
- Insulation Foam PE,
Average Thickness(± 0.03 mm)0.3
Min. Point Thickness(mm)0.36
- Insulation Dia.(± 0.03 mm)1.34
- Twisting Lay Length(mm)30 underneath
- Cabling Lay Length(± 20 mm)100 ± 20
- Drain wire 0.4TC
- Polyester/Aluminum foil
- BRAID16*6*0.12 CCAM
- FR PVC/LSZH jacket
- Average Thickness(± 0.05 mm)0.7
- Transmission: 10Gbps

Mechanical Characteristics:

- Test Object Jacket
- Test Material PVC
- Before Tensile Strength (Mpa) ≥ 13.8
- Aging Elongation (%) ≥ 100
- Aging Condition (oCxhrs)100x240
- After Tensile Strength (Mpa) $\geq 85\%$ of unaged
- Aging Elongation (%) $\geq 50\%$ of unaged
- Cold Bend(-20 ± 2 oCx4hrs)No crack

Industrial Standards:

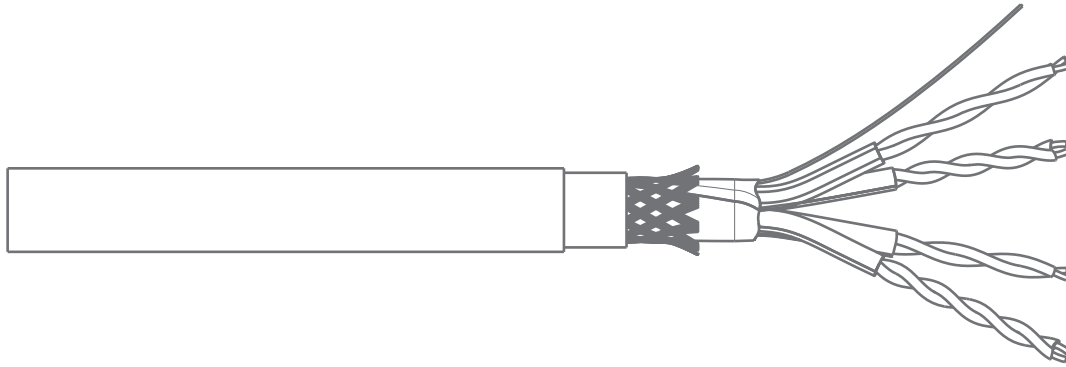
- International ISO/IEC11801
- EIA/TIA568C.2



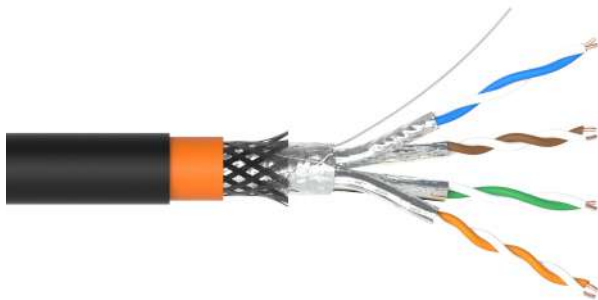
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	ACR (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.0	81.3	79.3	74.8	570.0	71.8
4	23.6	3.7	72.3	70.3	62.7	562.0	59.7
10	26.0	5.9	66.3	64.3	54.8	545.4	51.8
16	26.0	7.4	63.2	61.2	50.7	543.0	47.7
20	26.0	8.3	61.8	59.8	48.7	542.0	45.7
30	24.8	10.2	59.1	57.1	45.2	538.6	42.2
62.5	22.5	14.9	54.4	52.4	38.8	537.6	35.8
100	21.1	19.0	51.3	49.3	34.8	536.8	31.8
200	19	27.5	46.8	44.8	28.7	536.5	25.7
250	18.3	31.0	45.3	43.3	26.8	536.3	23.8
300	17.8	34.2	44.1	42.1	25.2	535.1	22.2
350	17.3	37.2	43.1	41.1	23.9	535.9	20.9
400	16.9	40	42.3	40.3	22.7	535.8	19.7
500	16.2	45.3	40.8	38.8	20.8	535.6	17.8





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

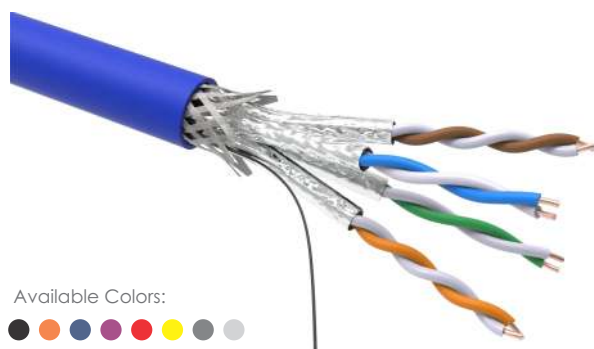


Example: SU-CBL-471130-3

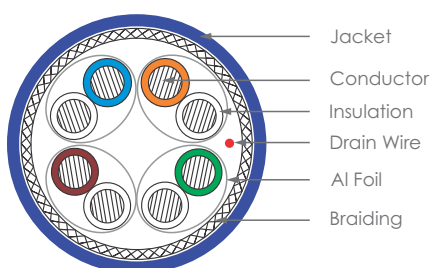
SUMICO, Copper Cable, Cat6A, SF/FTP, Outdoor, Solid, PE, Black, 500m/Reel



S/FTP Cat6A Cable



Available Colors:



Mechanical Characteristics:

- Test Object Jacket
- Test Material PVC
- Before Tensile Strength (Mpa) $\geq$ 13.8
- Aging Elongation (%) $\geq$ 100
- Aging Condition (oCxhrs)100x240
- After Tensile Strength (Mpa) $\geq$ 85% of unaged
- Aging Elongation (%) $\geq$ 50% of unaged
- Cold Bend(-20 $\pm$ 2oCx4hrs)No crack

Application:

- 10GB Networks ,High speed Connection (10GB)
- 1000BASE-T (IEEE802.3)
- 100VG-AnyLAN (IEEE802.12)
- Voice, T1, ISDN, E1
- 155/ 622 Mbps ATM
- Power over Ethernet

Structure:

- AWG23 Conductor Solid or Stranded Bare
Copper Conductor Dia. (+0.008/-0.01mm)0.570
- Insulation Foam PE,
Average Thickness($\pm$ 0.03mm)0.3
Min. Point Thickness(mm)0.36
- Insulation Dia.($\pm$ 0.03mm)1.34
- Twisting Lay Length(mm)30 underneath
- Cabling Lay Length($\pm$ 20mm)100 $\pm$ 20
- Drain wire 0.4TC
- Polyester/Aluminum foil
- BRAID16*6*0.12 CCAM
- FR PVC/LSZH jacket
- Average Thickness($\pm$ 0.05mm)0.7
- Transmission: 10Gbps

Industrial Standards:

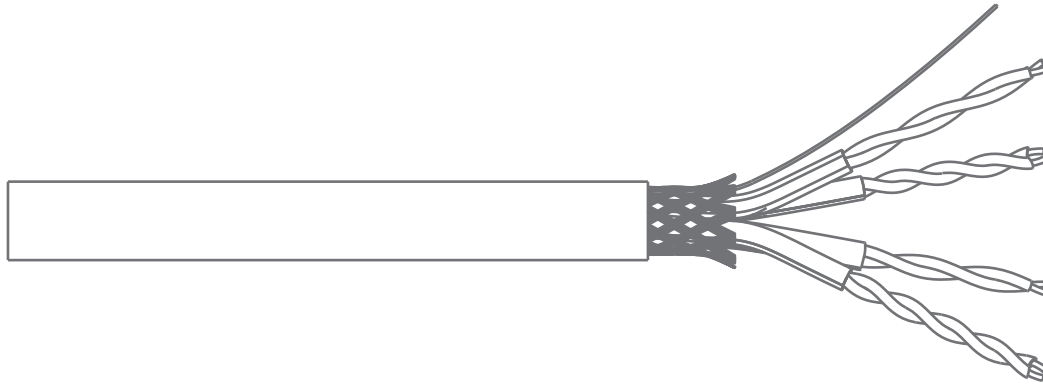
- International ISO/IEC11801
- EIA/TIA568C.2



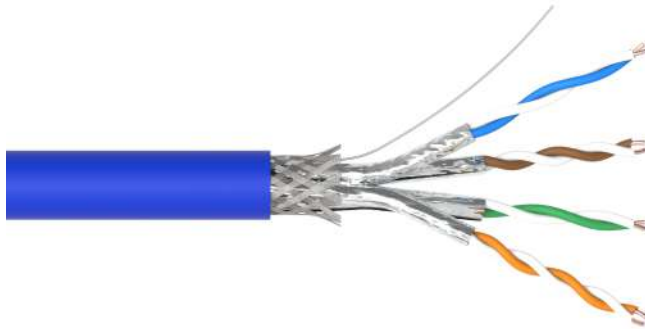
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	ACR (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.0	81.3	79.3	74.8	570.0	71.8
4	23.6	3.7	72.3	70.3	62.7	562.0	59.7
10	26.0	5.9	66.3	64.3	54.8	545.4	51.8
16	26.0	7.4	63.2	61.2	50.7	543.0	47.7
20	26.0	8.3	61.8	59.8	48.7	542.0	45.7
30	24.8	10.2	59.1	57.1	45.2	538.6	42.2
62.5	22.5	14.9	54.4	52.4	38.8	537.6	35.8
100	21.1	19.0	51.3	49.3	34.8	536.8	31.8
200	19	27.5	46.8	44.8	28.7	536.5	25.7
250	18.3	31.0	45.3	43.3	26.8	536.3	23.8
300	17.8	34.2	44.1	42.1	25.2	535.1	22.2
350	17.3	37.2	43.1	41.1	23.9	535.9	20.9
400	16.9	40	42.3	40.3	22.7	535.8	19.7
500	16.2	45.3	40.8	38.8	20.8	535.6	17.8





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

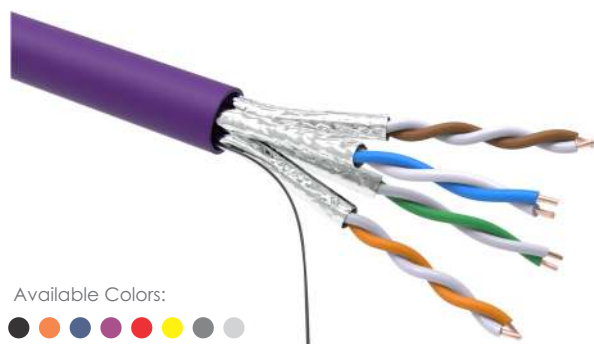


Example: SU-CBL-471113-3

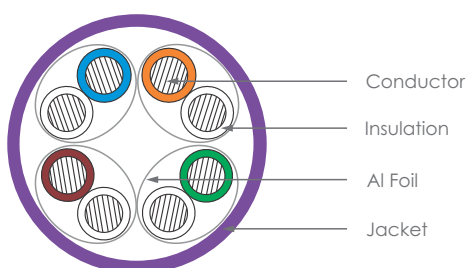
SUMICO, Copper Cable, Cat6A, SF/FTP, Regular, Solid, PVC, Purple, 500m/Reel



U/FTP Cat6A Cable



Available Colors:



Mechanical Characteristics:

- Test Object Jacket
- Test Material PVC
- Before Tensile Strength (Mpa) $\geq$ 13.8
- Aging Elongation (%) $\geq$ 100
- Aging Condition (oCxhrs)100x240
- After Tensile Strength (Mpa) $\geq$ 85% of unaged
- Aging Elongation (%) $\geq$ 50% of unaged
- Cold Bend(-20 $\pm$ 2oCx4hrs)No crack

Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	ACR (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.0	81.3	79.3	74.8	570.0	71.8
4	23.6	3.7	72.3	70.3	62.7	562.0	59.7
10	26.0	5.9	66.3	64.3	54.8	545.4	51.8
16	26.0	7.4	63.2	61.2	50.7	543.0	47.7
20	26.0	8.3	61.8	59.8	48.7	542.0	45.7
30	24.8	10.2	59.1	57.1	45.2	538.6	42.2
62.5	22.5	14.9	54.4	52.4	38.8	537.6	35.8
100	21.1	19.0	51.3	49.3	34.8	536.8	31.8
200	19	27.5	46.8	44.8	28.7	536.5	25.7
250	18.3	31.0	45.3	43.3	26.8	536.3	23.8
300	17.8	34.2	44.1	42.1	25.2	535.1	22.2
350	17.3	37.2	43.1	41.1	23.9	535.9	20.9
400	16.9	40	42.3	40.3	22.7	535.8	19.7
500	16.2	45.3	40.8	38.8	20.8	535.6	17.8

Application:

- 10GB Networks ,High speed Connection (10GB)
- 1000BASE-T (IEEE802.3)
- 100VG-AnyLAN (IEEE802.12)
- Voice, T1, ISDN, E1
- 155/ 622 Mbps ATM
- Power over Ethernet

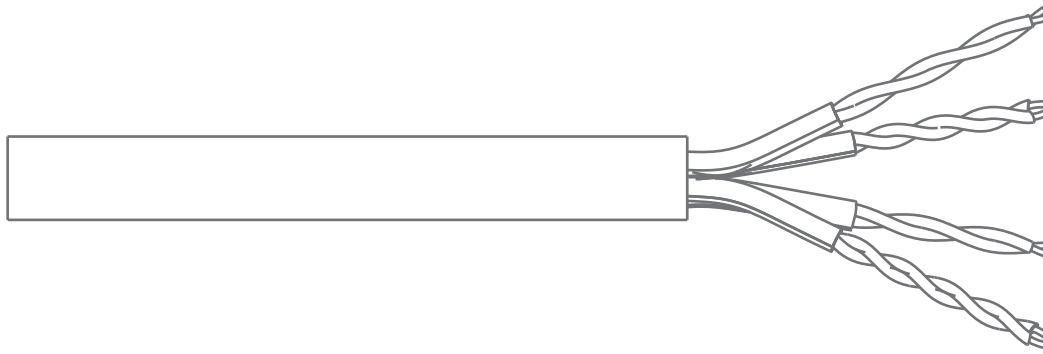
Structure:

- AWG23 Conductor Solid or Stranded Bare
Copper Conductor Dia. (+0.008/-0.01mm)0.570
- Insulation Foam PE,
Average Thickness($\pm$ 0.03mm)0.3
Min. Point Thickness(mm)0.36
- Insulation Dia.($\pm$ 0.03mm)1.34
- Twisting Lay Length(mm)30 underneath
- Cabling Lay Length($\pm$ 20mm)100 $\pm$ 20
- Drain wire 0.4TC
- Polyester/Aluminum foil
- BRAID16*6*0.12 CCAM
- FR PVC/LSZH jacket
- Average Thickness($\pm$ 0.05mm)0.7

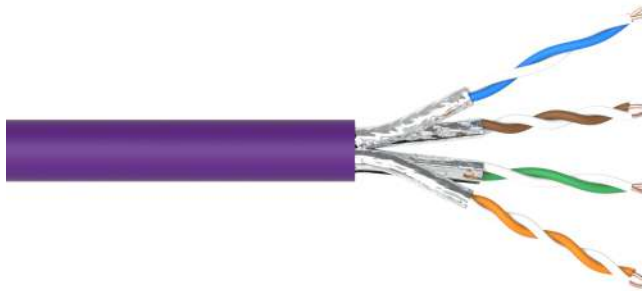
Industrial Standards:

- International ISO/IEC11801
- EIA/TIA568C.2





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

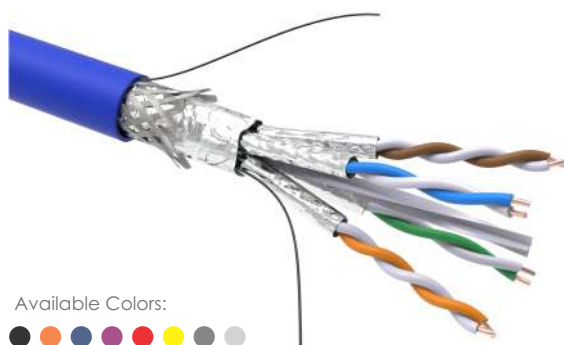


Example: SU-CBL-441113-3

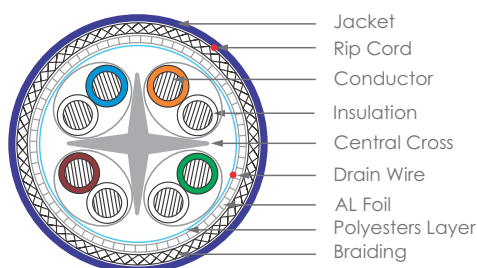
SUMICO, Copper Cable, Cat6A, U/FTP, Regular, Solid, PVC, Purple, 305m/Box



SF/FTP Cat6 Cable



Available Colors:



Application:

- 1000BASE-T(IEEE802.3)
- 100VG-AnyLAN(IEEE802.12)
- ATM155Mbps
- Token Ring(IEEE802.5)
- TP-PMD(ANSI X3T9.5)
- POE, Voice, T1, ISDN, E1

Structure:

- 23AWG Solid Bare Copper Conductor
- PE Insulation, 4Pair, FR PVC/LSZH Jacket
FR PVC/LSZH jacket
- Synthetical Separation Foil: Polyester
- 100% coverage Aluminum/polyester
- 40% coverage tinned copper braiding
- Rip cord
- Drain wire 0.4TC
- ROHS Compliant
- Transmission: 1Gbps

Product Performance:

- Linear resistance: Max. 95 Ω /km
- Mutual capacity(nom): Max. 5200Pf/100m
- Unbalance capacity max (p/p at 1 KHz): 1500Pf/1km
- Characteristic impedance: 100_ $\pm$ 15 Ω
- Velocity of Propagation (f>1MHz): 72% of c

Industrial Standards:

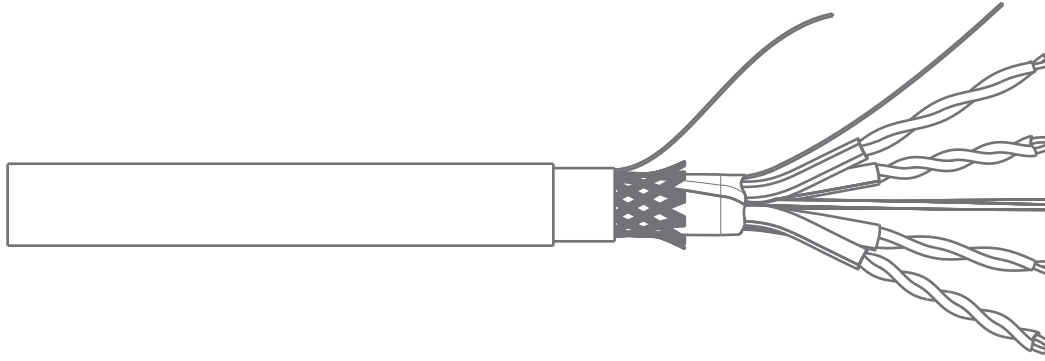
- International ISO/IEC11801
- USA ANSI/TIA/EIA-568C.2



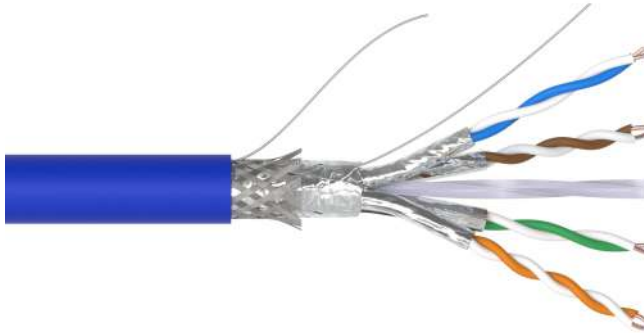
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.00	74.3	72.3	67.8	64.8
4	23.0	3.80	65.3	63.3	55.8	52.8
10	25.0	5.30	59.3	57.3	47.8	44.8
20	25.0	8.50	54.8	52.8	41.8	38.8
62.5	21.5	15.40	47.4	45.4	42.0	29.1
100	20.1	19.80	44.3	42.3	27.8	25.0
150	18.9	24.70	41.7	39.7	24.3	21.3
200	18.0	29.00	39.8	37.8	21.8	19.0
250	17.3	32.80	38.3	36.3	20.4	17.0





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

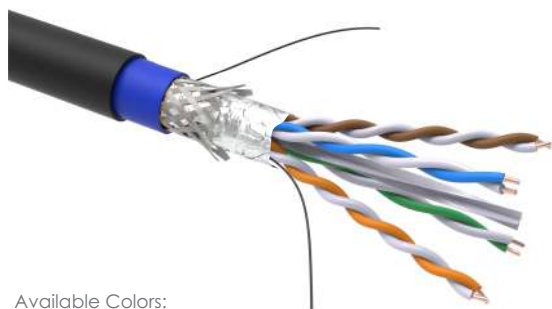


Example: SU-CBL-331110-3

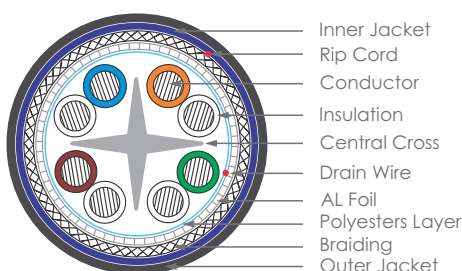
SUMICO, Copper Cable, Cat6, SF/UTP, Regular, Solid, PVC, Dark Blue, 500m/Reel



SF/UTP Cat6 Outdoor Cable



Available Colors:



Application:

- 1000BASE-T(IEEE802.3)
- 100VG-AnyLAN(IEEE802.12)
- ATM155Mbps
- Token Ring(IEEE802.5)
- TP-PMD(ANSI X3T9.5)
- POE, Voice, T1, ISDN, E1

Structure:

- 23AWG Solid Bare Copper Conductor
- PE Insulation, 4Pair, FR PVC/LSZH Jacket
FR PVC/LSZH jacket on the inner Jacket
- PE on the outside Sheath
- Synthetical Separation Foil: Polyester
- 100% coverage Aluminum/polyester
- 40% coverage tinned copper braiding
- Rip cord (optional)
- Drain wire 0.4TC
- ROHS Compliant
- Transmission: 1Gbps

Product Performance:

- Linear resistance: Max. 95 Ω /km
- Mutual capacity(nom): Max. 5200Pf/100m
- Unbalance capacity max (p/p at 1 KHz): 1500Pf/1km
- Characteristic impedance: 100_ $\pm$ 15 Ω
- Velocity of Propagation (f>1MHz): 72% of c

Industrial Standards:

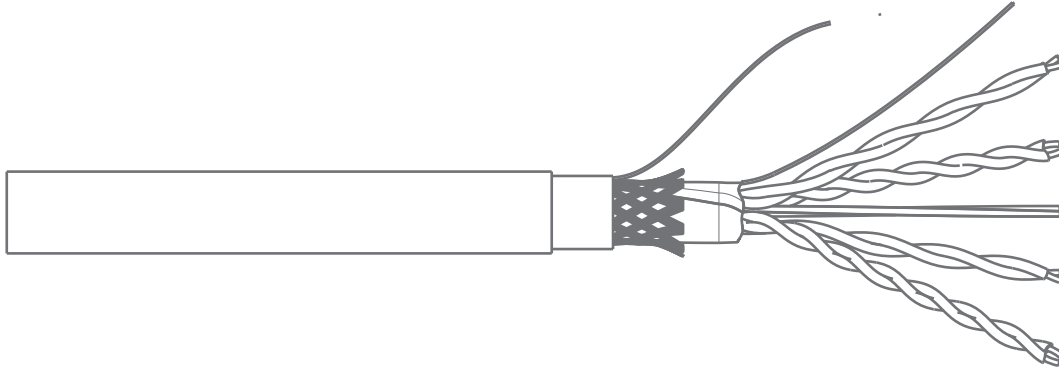
- International ISO/IEC11801
- USA ANSI/TIA/EIA-568C.2



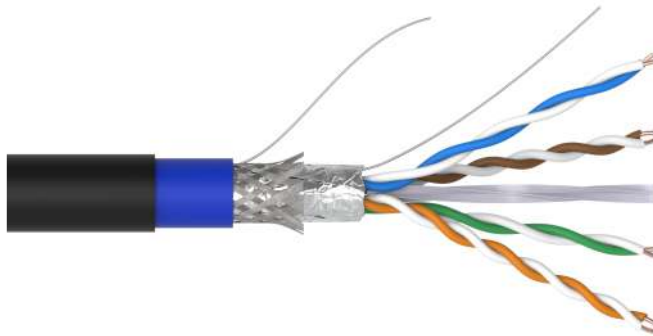
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.00	74.3	72.3	67.8	64.8
4	23.0	3.80	65.3	63.3	55.8	52.8
10	25.0	5.30	59.3	57.3	47.8	44.8
20	25.0	8.50	54.8	52.8	41.8	38.8
62.5	21.5	15.40	47.4	45.4	42.0	29.1
100	20.1	19.80	44.3	42.3	27.8	25.0
150	18.9	24.70	41.7	39.7	24.3	21.3
200	18.0	29.00	39.8	37.8	21.8	19.0
250	17.3	32.80	38.3	36.3	20.4	17.0





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

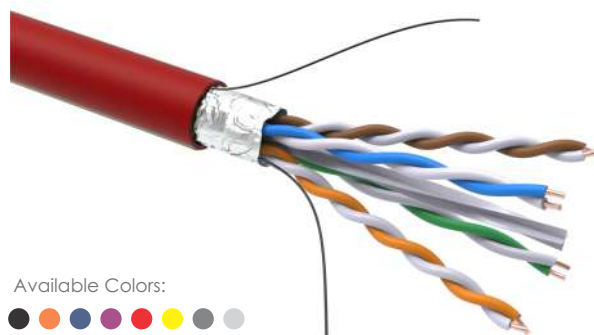


Example: SU-CBL-332130-3

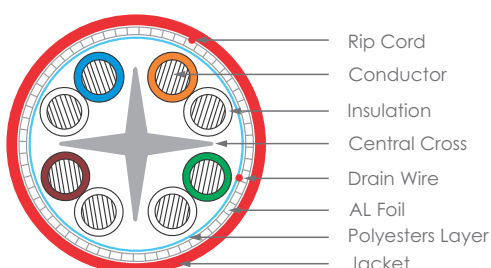
SUMICO, Copper Cable, Cat6, SF/UTP, Outdoor, Solid, PE, Black, 500m/Reel



F/UTP Cat6 Cable



Available Colors:



Application:

- 1000BASE-T(IEEE802.3)
- 100VG-AnyLAN(IEEE802.12)
- ATM155Mbps
- Token Ring(IEEE802.5)
- TP-PMD(ANSI X3T9.5)
- POE, Voice, T1, ISDN, E1

Structure:

- 23AWG Solid Bare Copper Conductor
- PE Insulation, 4Pair, FR PVC/LSZH Jacket
- Rip cord (optional)
- Drain wire
- Polyester/Aluminum foil
- Central Cross
- ROHS Compliant
- Transmission: 1Gbps

Product Performance:

- Linear resistance: Max. 95 Ω /km
- Mutual capacity(nom): Max. 5200Pf/100m
- Unbalance capacity max (p/p at 1 KHz): 1500Pf/1km
- Characteristic impedance: 100_ $\pm$ 15 Ω
- Velocity of Propagation (f>1MHz): 66% of c

Industrial Standards:

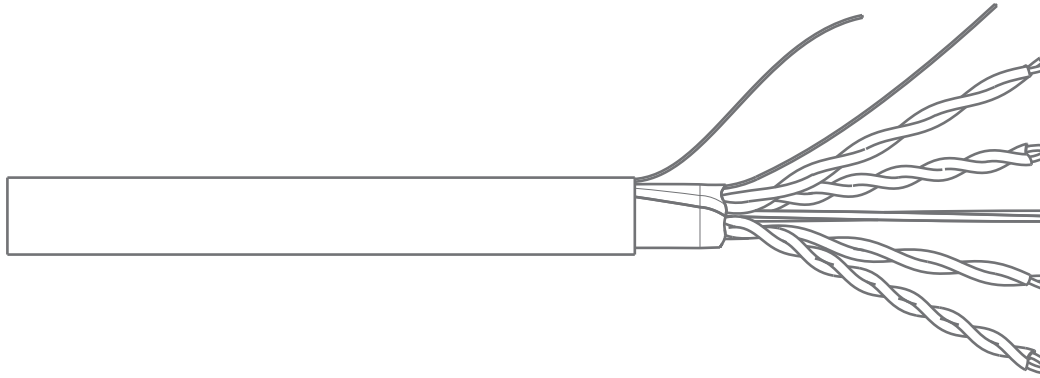
- International ISO/IEC11801
- USA ANSI/TIA/EIA-568C.2



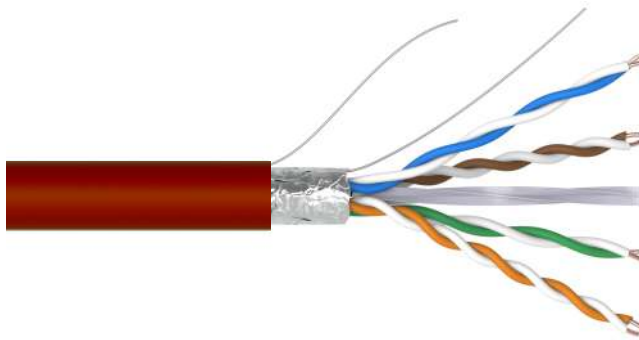
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.00	74.3	72.3	67.8	64.8
4	23.0	3.80	65.3	63.3	55.8	52.8
10	25.0	5.30	59.3	57.3	47.8	44.8
20	25.0	8.50	54.8	52.8	41.8	38.8
62.5	21.5	15.40	47.4	45.4	42.0	29.1
100	20.1	19.80	44.3	42.3	27.8	25.0
150	18.9	24.70	41.7	39.7	24.3	21.3
200	18.0	29.00	39.8	37.8	21.8	19.0
250	17.3	32.80	38.3	36.3	20.4	17.0





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

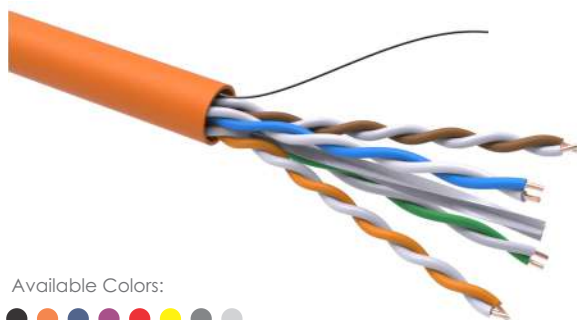


Example: SU-CBL-321114-3

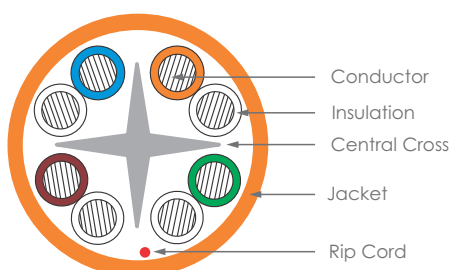
SUMICO, Copper Cable, Cat6, F/UTP, Regular, Solid, PVC, Red, 500m/Reel



U/UTP Cat6 Cable



Available Colors:



Application:

- 1000BASE-T(IEEE802.3)
- 100VG-AnyLAN(IEEE802.12)
- ATM155Mbps
- Token Ring(IEEE802.5)
- TP-PMD(ANSI X3T9.5)
- POE, Voice, T1, ISDN, E1

Structure:

- 23AWG Solid Bare Copper Conductor
- PE Insulation, 4Pair, FR PVC/LSZH Jacket
- Rip cord (optional)
- Central Cross
- ROHS Compliant
- Transmission: 1Gbps

Product Performance:

- Linear resistance: Max. 185 Ω /km
- Mutual capacity(nom): Max. 5200Pf/100m
- Unbalance capacity max (p/p at 1 KHz): 1500Pf/1km
- Characteristic impedance: 100_ $\pm$ 15 Ω
- Velocity of Propagation (f>1MHz): 72% of c

Industrial Standards:

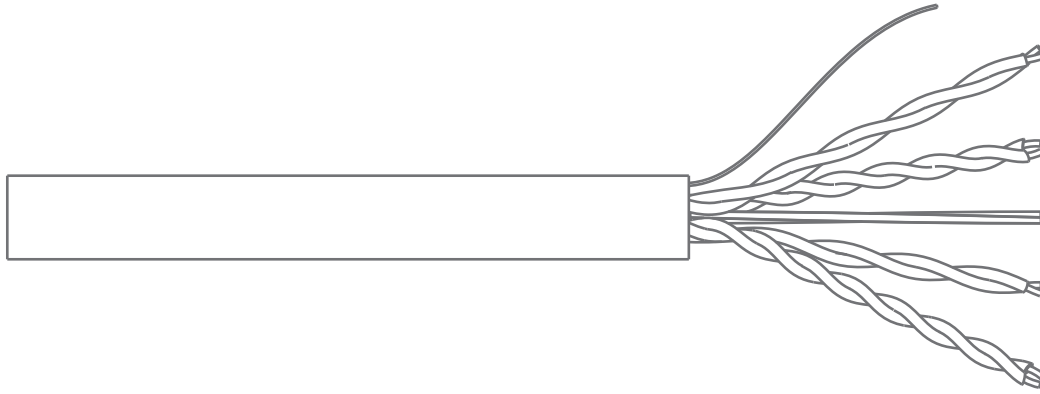
- International ISO/IEC11801
- USA ANSI/TIA/EIA-568C.2



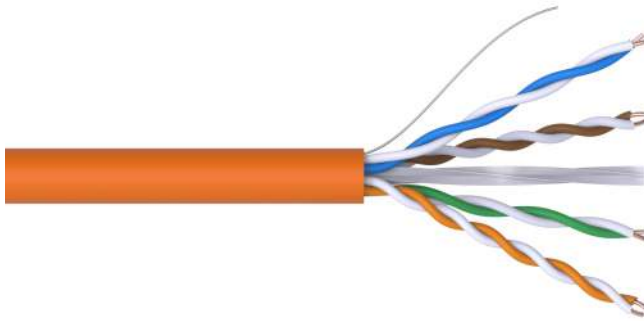
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.00	74.3	72.3	67.8	64.8
4	23.0	3.80	65.3	63.3	55.8	52.8
10	25.0	5.30	59.3	57.3	47.8	44.8
20	25.0	8.50	54.8	52.8	41.8	38.8
62.5	21.5	15.40	47.4	45.4	42.0	29.1
100	20.1	19.80	44.3	42.3	27.8	25.0
150	18.9	24.70	41.7	39.7	24.3	21.3
200	18.0	29.00	39.8	37.8	21.8	19.0
250	17.3	32.80	38.3	36.3	20.4	17.0





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

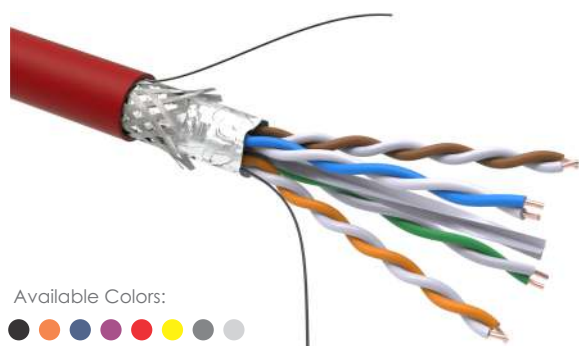


Example:SU-CBL-311111-3

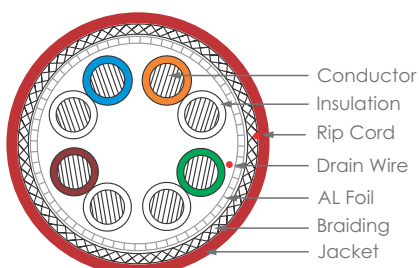
SUMICO, Copper Cable, Cat6, U/UTP, Regular, Solid, PVC, Orange, 305m/Box



SF/UTP Cat5e Cable



Available Colors:



Application:

- 1000BASE-T(IEEE802.3)
- 100VG-AnyLAN(IEEE802.12)
- ATM155Mbps
- Token Ring(IEEE802.5)
- TP-PMD(ANSI X3T9.5)
- POE, Voice, T1, ISDN, E1

Structure:

- 24AWG Solid Bare Copper Conductor
- 4Pair, FR PVC/LSZH Jacket
- Synthetical Separation Foil: Polyester
- 100% coverage Aluminum/polyester
- 40% coverage tinned copper braiding
- Rip cord optional
- Drain wire
- ROHS Compliant
- Transmission: 1Gbps

Product Performance:

- Linear resistance: Max. 93.8 Ω /km
- Mutual capacity(nom): Max. 5200Pf/100m
- Unbalance capacity max (p/p at 1 KHz): 1500Pf/1km
- Characteristic impedance: 100 $\pm$ 15 Ω
- Velocity of Propagation (f>1MHz): 66% of c

Industrial Standards:

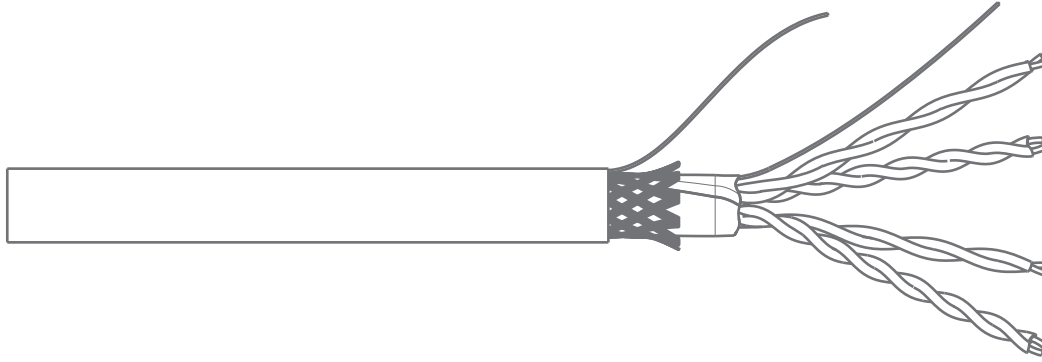
- International ISO/IEC11801 USA ANSI
- TIA/EIA-568C.2



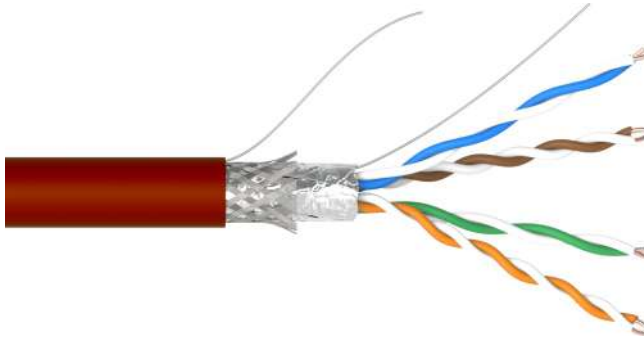
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.04	65.3	62.3	63.8	60.8
4	23.0	4.10	56.3	53.3	51.8	48.8
10	25.0	6.50	50.3	47.3	43.8	40.8
16	25.0	8.20	47.2	44.2	39.7	36.7
20	25.0	9.30	45.8	42.0	37.8	34.8
25	24.3	10.40	44.3	41.3	35.8	32.8
31.25	23.6	11.70	42.9	39.9	33.9	30.9
62.5	21.5	17.00	38.4	35.4	27.9	24.9
100	20.1	22.00	35.3	32.3	23.8	20.8





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

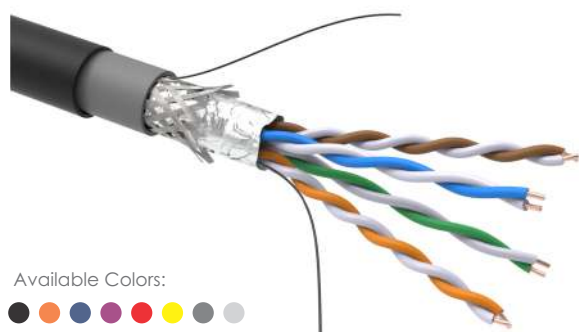


Example: SU-CBL-332130-3

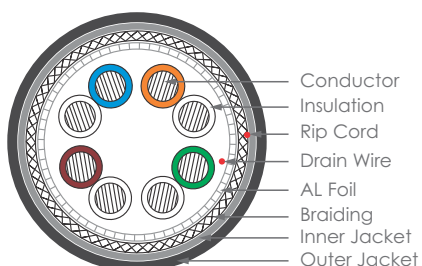
SUMICO, Copper Cable, Cat6, SF/UTP, Outdoor, Solid, PE, Black, 500m/Reel



SF/UTP Cat5e Outdoor Cable



Available Colors:



Application:

- 1000BASE-T(IEEE802.3)
- 100VG-AnyLAN(IEEE802.12)
- ATM155Mbps
- Token Ring(IEEE802.5)
- TP-PMD(ANSI X3T9.5)
- POE, Voice, T1, ISDN, E1

Structure:

- 24AWG Solid Bare Copper Conductor
- PE Insulation, 4Pair, FR PVC/LSZH Jacket
- Synthetical Separation Foil: Polyester
- 100% coverage Aluminum/polyester
- 40% coverage tinned copper braiding
- FR PVC/LSZH jacket on the inner Jacket
- Rip cord optional
- Drain wire
- ROHS Compliant
- Transmission: 1Gbps

Product Performance:

- Linear resistance: Max. 93.8 Ω /km
- Mutual capacity(nom): Max. 5200Pf/100m
- Unbalance capacity max (p/p at 1 KHz): 1500Pf/1km
- Characteristic impedance: 100 $\pm$ 15 Ω
- Velocity of Propagation (f>1MHz): 66% of c

Industrial Standards:

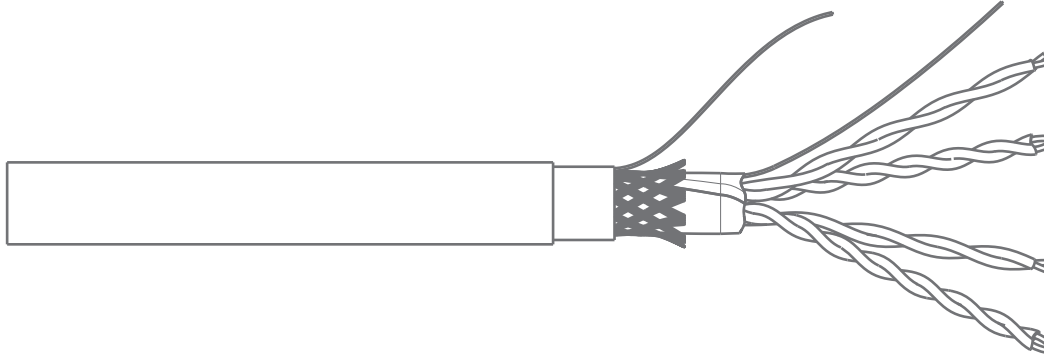
- International ISO/IEC11801
- USA ANSI/TIA/EIA-568C.2



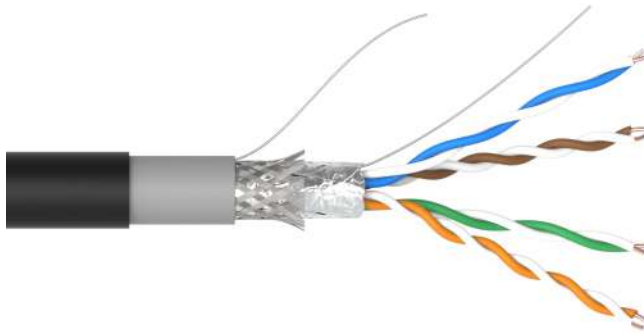
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.04	65.3	62.3	63.8	60.8
4	23.0	4.10	56.3	53.3	51.8	48.8
10	25.0	6.50	50.3	47.3	43.8	40.8
16	25.0	8.20	47.2	44.2	39.7	36.7
20	25.0	9.30	45.8	42.0	37.8	34.8
25	24.3	10.40	44.3	41.3	35.8	32.8
31.25	23.6	11.70	42.9	39.9	33.9	30.9
62.5	21.5	17.00	38.4	35.4	27.9	24.9
100	20.1	22.00	35.3	32.3	23.8	20.8





SU	Product Category	Cable Category	Cable Structure	Usage	Cable Type	Jacket Material	Cable Color	Packing
	CBL=Copper Cable	1=Cat3 2=Cat5e 3=Cat6 4=Cat6A 5=Cat7 6=Cat7A 7=Cat8	1=U/UTP 2=F/UTP 3=SF/UTP 4=U/FTP 5=F/FTP 6=S/FTP 7=SF/FTP	1=Regular 2=Outdoor 3=Hybrid X=Options	1=Solid 2=Stranded	1=PVC 2=LSZH 3=PE 4=TPU X=Options	0=Black 1=Orange 2=Dark Blue 3=Purple 4=Red 5=Yellow 6=Dark Grey 7=Light Grey X=Options	1=100m/Spool 2=305m/Box 3=500m/Reel X=Options

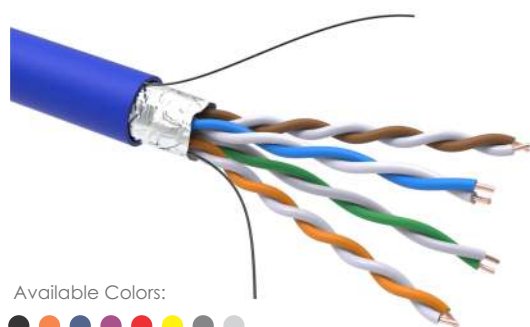


Example: SU-CBL-232130-3

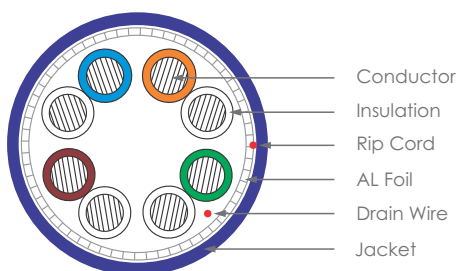
SUMICO, Copper Cable, Cat5e, SF/UTP, Outdoor, Solid, PE, Black, 500m/Reel



F/UTP Cat5e Cable



Available Colors:



Application:

- 1000BASE-T(IEEE802.3)
- 100Vg-AnyLan(IEEE802.12)
- TP-PMD(ANSI X3T9.5)
- 16Mbps Token Ring(IEEE802.5)
- 1000BASE-Tg(IEEE802.3AB)
- POE, Voice, T1, ISDN, E1

Structure:

- 24AWG Solid Bare Copper Conductor
- PE Insulation, 4Pair, FR PVC/LSZH Jacket
- Synthetical Separation Foil: Polyester
- 100% coverage Aluminum/polyester
- Rip cord optional
- Drain wire
- ROHS Compliant
- Transmission: 1Gbps

Product Performance:

- Linear resistance: Max. 94 Ω /km
- Mutual capacity(nom): Max. 5200Pf/100m
- Unbalance capacity max (p/p at 1 KHz): 1500Pf/1km
- Characteristic impedance: 100_ $\pm$ 15 Ω
- Velocity of Propagation (f>1MHz): 66% of c

Industrial Standards:

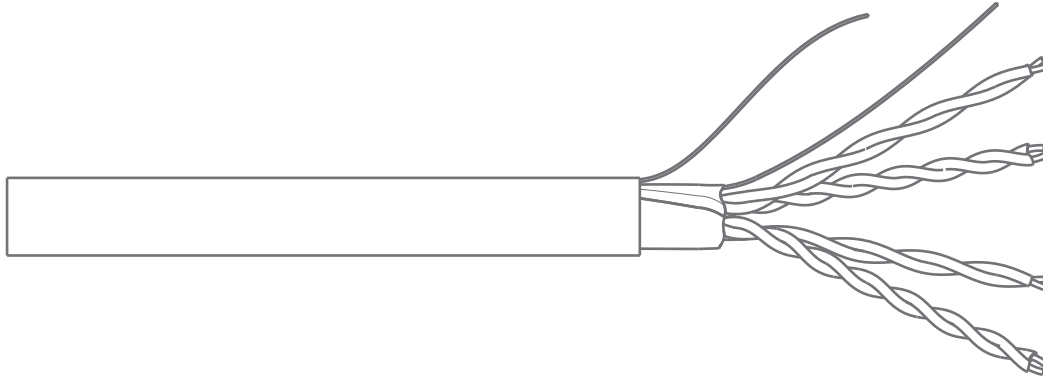
- International ISO/IEC11801
- USA ANSI/TIA/EIA-568C.2



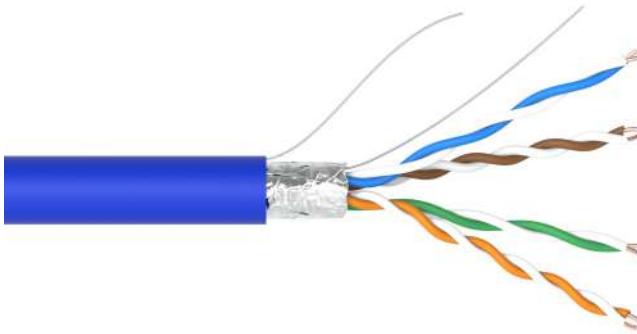
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
1	20.0	2.04	65.3	62.3	63.8	60.8
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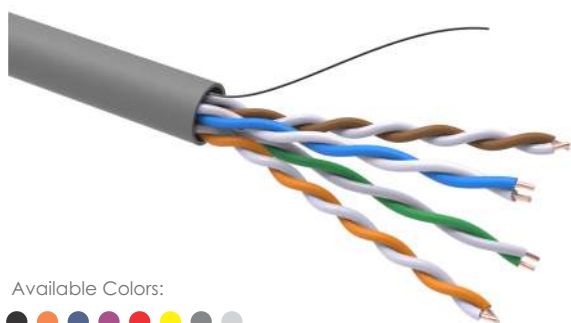


Example:SU-CBL-221112-3

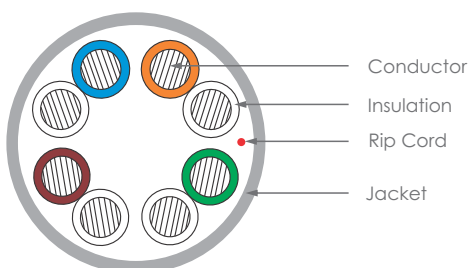
SUMICO, Copper Cable, Cat5e,F/UTP, Regular, Solid, PVC, Dark Blue, 500m/Reel



U/UTP Cat5e Cable



Available Colors:



Application:

- 1000BASE-T(IEEE802.3)
- 100VG-AnyLAN(IEEE802.12)
- ATM155Mbps
- Token Ring(IEEE802.5)
- TP-PMD(ANSI X3T9.5)
- POE, Voice, T1, ISDN, E1

Structure:

- 24AWG Solid Bare Copper Conductor
- PE Insulation, 4Pair, FR PVC/LSZH Jacket
- Rip cord optional
- ROHS Compliant
- Transmission: 1Gbps

Product Performance:

- Linear resistance: Max. 97.5 Ω /km
- Mutual capacity(nom): Max. 5200Pf/100m
- Unbalance capacity max (p/p at 1 KHz): 1500Pf/1km
- Characteristic impedance: 100 $\pm$ 15 Ω
- Velocity of Propagation (f>1MHz): 66% of c

Industrial Standards:

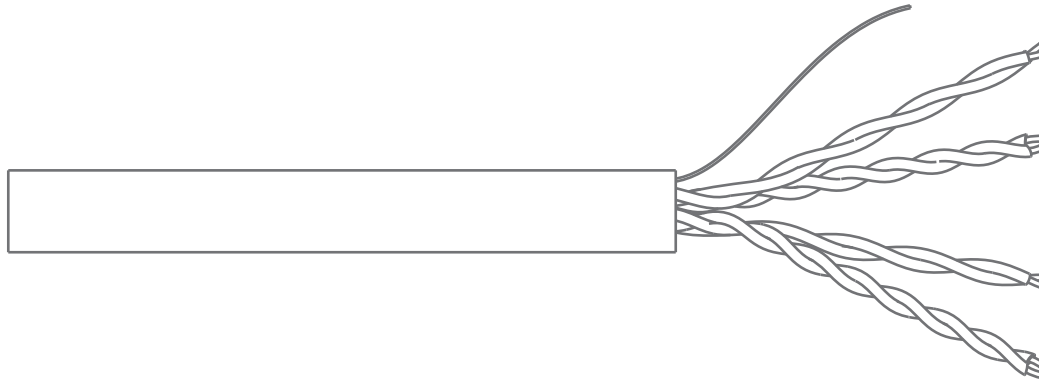
- International ISO/IEC11801 USA ANSI TIA/EIA-568C.2



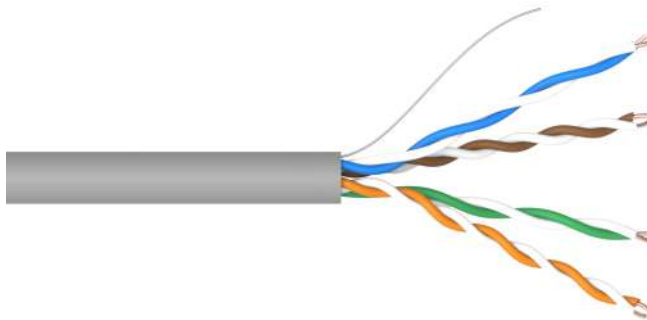
Electrical Characteristics:

Frequency (Mhz)	Return loss (dB)	Attenuation (dB/100m)	Next (dB)	PS Next (dB)	ELFEXT (dB)	PS ELFEXT (dB)
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Example: SU-CBL-211117-2

SUMICO, Copper Cable, Cat5e, U/UTP, Regular, Solid, PVC, light Grey , 305m/Box





Sumico Co.
No.13, Jahansouz St. ,
Larestan St. , Tehran, Iran
Tel: 021- 43614000
info@sumico.ir
www.sumico.ir

شرکت دانش بنیان ترویج صنعت سومی پارسیان (سومیکو)
طراحی، تامین و توسعه زیرساختهای ارتباطی



کلیه حقوق مادی و معنوی این اثر متعلق به شرکت دانش بنیان ترویج صنعت سومی پارسیان (سومیکو) می باشد
سومیکو مارک و برند ثبت شده و متعلق به شرکت ترویج صنعت سومی پارسیان بوده و هرگونه کپی برداری پیگرد قانونی دارد



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