

CAT 7

CAT 7 10 Gig Indoor/Outdoor Solid Dual Shielded Bulk Cable

Our Category 7 indoor/outdoor 10G (S/FTP) high performance data communications cable has voice, data, video and security capabilities and is ideal for a network installation. This cable is designed for indoor or outdoor type installations. Our Category 7 cable has 4 pairs of 23AWG solid bare copper conductors, individually shielded pairs with an overall TC braiding and a LSZH Jacket. Our bulk cable is supplied on a 1000ft wooden spool and is marked in descending order so you always know how much cable is left.

Applications

- 10/100/1000Base-T
- 100Base-VG
- 155 Mbps And 622-Mpbs ATM
- Other High-Performance Applications
 - Backbone
 - Floor-To-Floor Backbone

Compliance

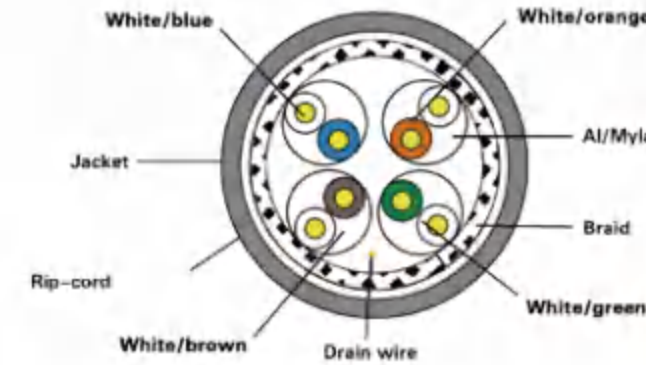
- ISO/IEC 61156-5; EN 50288-4, YD/T1019
- TIA/EIA-568-C.2 Category 7
- RoHS Compliance For The Requirement Of European Union Issued Directive 2002/95/EC

Physical Characteristics

Conductor Size: 23 AWG
Conductor Material: Solid Bare Copper
Insulation Material: Skin-Foam-Skin Polyethylene
Number Of Conductors: 8 Conductors / 4 Pairs
Inner Pair Shielding: AL/Mylar
Outer Shield Material: TC Braiding
Drain Wire: TC 0.4mm
Outer Jacket Material: PVC/LSZH
Outer Jacket Rip Cord: Yes



Technical Diagram



Cable Features

- Meets Or Exceeds CAT 7 T568C.2 Standards
- Easy To Use Wooden Spool
- Extra Headroom Provides Room For Growth
- Low Attenuation And Power-Sum Crosstalk

Technical Diagram

- Cable Has High Density Polyethylene Insulation
- AL Shielding Is Used To Help Eliminate Interference
- Longitudinal Rip Cord For Easy Jacket Opening

Technical Diagram

Cable is supplied in 1000ft increments on a wooden spool

CAT 7 10Gig Solid Bulk Cable Electrical Specifications

Frequency MHz (Maximum)	ATT dB/100 m (328 ft.) (Maximum)	ACR dB/100 m (328 ft.) (Maximum)	DELAY ns/100 m (328 ft.) (Maximum)	NEXT dB/100 m (328 ft.) (Minimum)	PS-NEXT dB/100 m (328 ft.) (Minimum)	ELFEXT dB/100 m (328 ft.) (Maximum)	PS-ELFEXT dB/100 m (328 ft.) (Minimum)	Return Loss dB (Minimum)
1	2.06	N/A	570.0	78.0	75.0	78.0	75.0	20.0
4	3.75	N/A	552.0	78.0	75.0	78.0	75.0	23.0
8	5.22	N/A	546.7	78.0	75.0	77.2	74.2	24.5
10	5.82	N/A	545.4	78.0	75.0	75.3	72.3	25.0
16	7.34	N/A	543.0	78.0	75.0	71.2	68.2	25.0
20	8.21	N/A	542.0	78.0	75.0	69.3	66.3	25.0
25	9.18	N/A	541.2	78.0	75.0	67.3	63.0	24.3
31.25	10.26	N/A	540.4	78.0	75.0	65.4	62.4	23.6
62.50	14.57	N/A	538.6	75.4	75.0	59.4	56.4	21.5
100	18.53	N/A	537.6	72.5	72.4	55.3	52.3	20.1
150	22.82	N/A	536.9	72.8	69.8	51.8	47.2	18.9
200	26.47	N/A	536.5	70.9	67.9	49.3	46.3	18.0
250	29.73	N/A	536.3	69.4	66.4	47.3	44.3	17.3
300	32.69	N/A	536.1	68.2	65.2	45.8	42.8	17.3
600	47.10	N/A	535.5	64.7	60.7	41.3	36.7	17.3
1000	61.93	N/A	535.1	60.4	57.4	35.3	32.3	15.1
1200	N/A	N/A	535.0	59.2	56.2	33.7	30.7	13.1

CAT6A FTP

Solid Shielded Bulk Cable

Category 6A FTP Shielded 1000' 8 Conductor, Bulk, PVC Jacket, 23AWG Solid-Bare Copper, Pull Box(ETL)

Applications

- 10/100/1000Base-T
- 100Base-VG
- 155 Mbps and 622-Mpbs ATM
- Other high-performance applications
 - Backbone
 - Floor-To-Floor Backbone
 - Horizontal cabling to desktop

Compliance

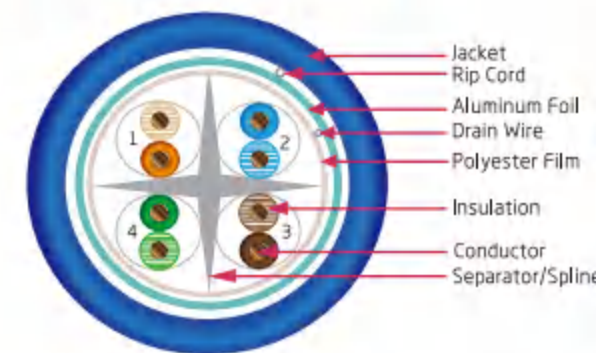
- ISO/IEC 11801
- TIA/EIA-568-C.2 Category 6A
- ANSI/ICEA S-90-661 (Category 6A)
- ETL Verified
- RoHS Compliance For The Requirement Of European Union Issued Directive 2002/95/EC

Physical Characteristics

- Conductor Size: 23AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: High Density Polyethylene
- Number Of Conductors: 8 Conductors
- Number Of Pairs: 4 Pairs
- Outer Shield Material: Mylar + Aluminum Foil/Mylar
- Drain Wire: TC 0.4mm
- Outer Jacket Material: PVC/LSZH(Complies RoHS)
- Outer Jacket Rip Cord: Yes



Technical Diagram



Cable Features

- Meets Or Exceeds CAT 6A T568C.2 Standards
- Extra Headroom Provides Room For Growth
- Low Attenuation And Power-Sum Crosstalk

Construction Facts

- The PVC Cable Has High Density Polyethylene Insulation
- Longitudinal Rip Cord For Easy Jacket Opening

Cable Put-Ups

- Cable is supplied in 1000ft increments on a wooden spool

CAT6A 10Gig Solid Bulk Cable Electrical Specifications

Frequency MHz (Maximum)	ATT dB/100 m (328 ft.) (Maximum)	ACR dB/100 m (328 ft.) (Maximum)	DELAY ns/100 m (328 ft.) (Minimum)	NEXT dB/100 m (328 ft.) (Minimum)	PS-NEXT dB/100 m (328 ft.) (Minimum)	ELFEXT dB/100 m (328 ft.) (Minimum)	PS-ELFEXT dB/100 m (328 ft.) (Minimum)	Return Loss dB (Minimum)
1	2.1	N/A	570.0	74.3	72.3	67.8	64.8	20.0
4	3.8	N/A	552.0	65.3	63.3	55.8	52.8	23.0
8	5.3	N/A	546.7	60.8	58.8	49.7	46.7	24.5
10	5.9	N/A	545.4	59.3	57.3	47.8	44.8	25.0
16	7.5	N/A	543.0	56.2	54.2	43.7	40.7	25.0
20	8.4	N/A	542.1	54.8	52.8	41.8	38.8	25.0
25	9.4	N/A	541.2	53.3	51.3	39.8	36.8	24.3
31.25	10.5	N/A	540.4	51.9	49.9	37.9	34.9	23.6
62.50	15.0	N/A	538.6	47.4	45.4	31.9	28.9	21.5
100	19.1	N/A	537.6	44.3	42.3	27.8	24.8	20.1
200	27.6	N/A	536.5	39.8	37.8	21.8	18.8	18.0
250	31.1	N/A	536.3	38.3	36.3	19.8	16.8	17.3
300	34.3	N/A	536.1	37.1	35.1	18.3	15.3	16.8
500	45.3	N/A	535.6	33.8	31.8	13.8	10.8	15.2
750	62.3	N/A	535.3	31.1	29.1	10.3	7.3	14.0

CAT6A UTP

Solid Shielded Bulk Cable

Category 6A UTP Unshielded 1000' 8 Conductor, Bulk Cable, PVC Jacket, 23AWG Solid-Bare Copper, Pull Box (ETL)O. ur bulk cable is marked in descending order so you always know how much cable is left.

Applications

- 10/100/1000Base-T
- 100Base-VG
- Suitable For Category 6 Augmented High Speed Data Applications
- 155 Mbps And 622-Mpbs ATM
- Other High-Performance Applications
 - Backbone
 - Floor-To-Floor Backbone
 - Horizontal Cabling To Desktop

Compliance

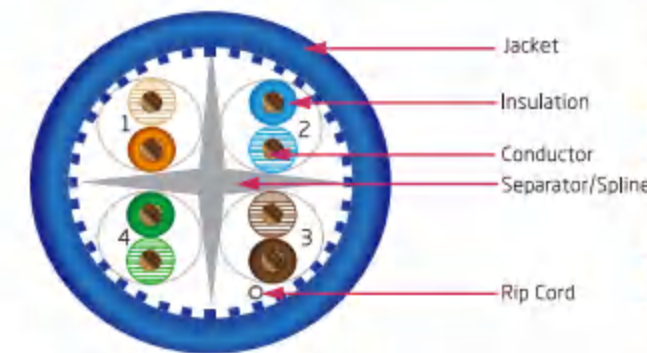
- ISO/IEC 11801
- TIA/EIA-568-C.2 Category 6A
- ANSI/ICEA S-90-661 (Category 6A)
- ETL Listed
- RoHS Compliance For The Requirement of European Union Issued Directive 2002/95/EC

Physical Characteristics

- Conductor Size: 23AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: High Density Polyethylene
- Number Of Conductors: 8 Conductors
- Number Of Pairs: 4 Pairs
- Outer Shield Material: N/A
- Outer Jacket Material: PVC (Complies RoHS)
- Outer Jacket Rip Cord: Yes



Technical Diagram



Cable Features

- Meets Or Exceeds CAT 6A T568C.2 Standards
- Extra Headroom Provides Room For Growth
- Low Attenuation And Power-Sum Crosstalk

Construction Facts

- The PVC Cable Has High Density Polyethylene Insulation
- Longitudinal Rip Cord For Easy Jacket Opening

Cable Put-Ups

- Cable is supplied in 1000ft increments on a wooden spool

CAT 6A 10Gig Solid Bulk Cable Electrical Specifications

Frequency MHz (Maximum)	ATT dB/100 m (328 ft.) (Maximum)	ACR dB/100 m (328 ft.) (Maximum)	DELAY ns/100 m (328 ft.) (Minimum)	NEXT dB/100 m (328 ft.) (Minimum)	PS-NEXT dB/100 m (328 ft.) (Minimum)	ELFEXT dB/100 m (328 ft.) (Minimum)	PS-ELFEXT dB/100 m (328 ft.) (Minimum)	Return Loss dB (Minimum)
1	2.1	N/A	570.0	74.3	72.3	67.8	64.8	20.0
4	3.8	N/A	552.0	65.3	63.3	55.8	52.8	23.0
8	5.3	N/A	546.7	60.8	58.8	49.7	46.7	24.5
10	5.9	N/A	545.4	59.3	57.3	47.8	44.8	25.0
16	7.5	N/A	543.0	56.2	54.2	43.7	40.7	25.0
20	8.4	N/A	542.1	54.8	52.8	41.8	38.8	25.0
25	9.4	N/A	541.2	53.3	51.3	39.8	36.8	24.3
31.25	10.5	N/A	540.4	51.9	49.9	37.9	34.9	23.6
62.50	15.0	N/A	538.6	47.4	45.4	31.9	28.9	21.5
100	19.1	N/A	537.6	44.3	42.3	27.8	24.8	20.1
200	27.6	N/A	536.5	39.8	37.8	21.8	18.8	18.0
250	31.1	N/A	536.3	38.3	36.3	19.8	16.8	17.3
300	34.3	N/A	536.1	37.1	35.1	18.3	15.3	16.8
500	45.3	N/A	535.6	33.8	31.8	13.8	10.8	15.2
750	62.3	N/A	535.3	31.1	29.1	10.3	7.3	14.0

CAT 6

Application

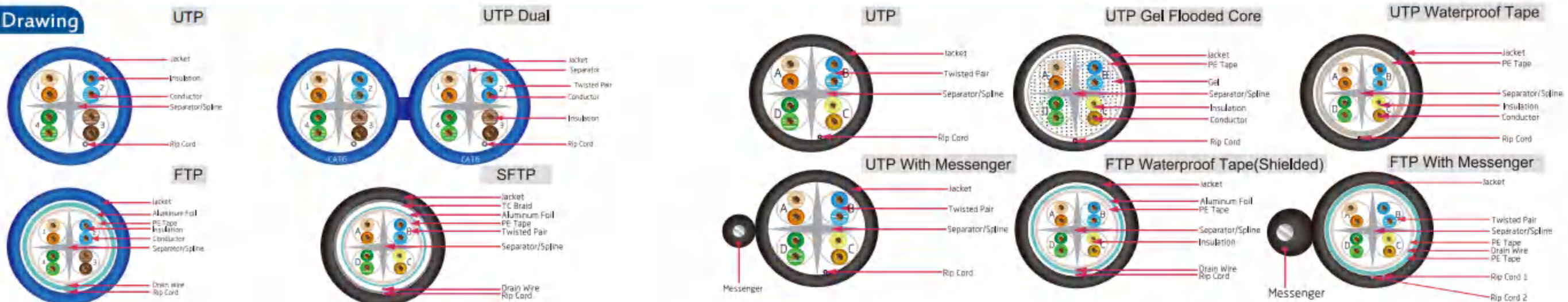
- 10BASE T through 1000BASE T Ethernet, Power over Ethernet (PoE) – IEEE 802.3af, PoE+ – IEEE 802.3at Type 1 and 2, ATM and token ring
- Audio, Video, Infrared, IP Control
- Balun infrastructure, Voice, Voice over IP
- PoE, HDBaseT, Analog and Digital Media

Features and Benefits

- High-Performance Data Communications Cable
- Suitable For 550MHz High Speed Data Applications, Gigabit Ethernet, Fast Ethernet And 155Mbps TP-PMD CDDI
- 4-pair, Easily Identified Color-Striped Pairs
- 23AWG Solid Bare Copper Conductors
- Excellent Attenuation and Crosstalk Characteristics
- Exceeds EIA/TIA 568 B.2-1, CSA and ISO/IEC 11801 specifications
- ETL Listed, RoHS Compliant
- Flammability Grade: CMX, CM, CMG, CMR, CMP

CAT6 LAN CABLE					CAT6 OUTDOOR CABLE					
Conductor	Solid Bare Copper(23AWG)				Solid Bare Copper(23AWG)					
Insulation	HDPE				HDPE					
Filler	Separator	Separator	Separator	Separator	...	Gel	Waterblock Tape	...	Waterblock Tape	...
Shield	---	---	AL-Foil	AL-Foil	---	---	---	---	AL-Foil	AL-Foil
Drain wire	---	---	Solid TC	Solid TC	---	---	---	---	Solid TC	Solid TC
Braiding	---	---	---	Solid TC 95% Coverage	---	---	---	---	---	---
Messenger	---	---	---	---	---	---	---	Galvanized Steel	---	Galvanized Steel
Jacket	PVC OR LSZH				LLDPE (UV)					
Outer Dia. (MM)	6.10±0.10mm	6.10x6.10±0.10mm	7.20±0.10mm	7.40±0.10mm	6.20±0.10mm	6.80±0.10mm	7.20±0.10mm	6.50x2.60±0.10mm	8.20±0.10mm	7.80x2.600±0.10mm
Packaging	305M/Pull Box Or Wooden Spool				305M/Wooden Spool					
Types	UTP	UTP Dual	FTP	SFTP	UTP	UTP Gel Flooded Core	UTP Waterproof Tape	UTP With Messenger	FTP Waterproof Tape (Shielded)	FTP With Messenger
Picture										

Tech Drawing



CAT 5E

Application

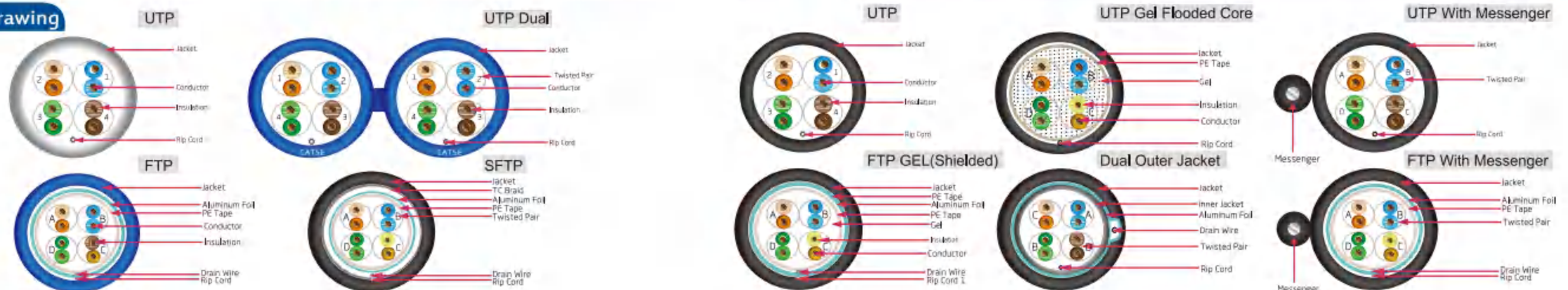
- 10BASE T through 1000BASE T Ethernet, Power over Ethernet (PoE) – IEEE 802.3af, PoE+ – IEEE 802.3at Type 1 and 2, ATM and token ring
- Audio, Video, Infrared, IP Control
- Balun infrastructure, Voice, Voice over IP
- PoE, HDBaseT, Analog and Digital Media

Features and Benefits

- High-Performance Data Communications Cable
- Suitable For 350MHz High Speed Data Applications, Gigabit Ethernet, Fast Ethernet And 155Mbps TP-PMD CDDIs
- 4-pair, Easily Identified Color-Striped Pairs
- 24AWG Solid Bare Copper Conductors
- Excellent Attenuation and Crosstalk Characteristics
- Exceeds EIA/TIA 568 B.2-1, CSA and ISO/IEC 11801 specifications
- ETL Listed, RoHS Compliant
- Flammability Grade: CMX, CM, CMG, CMR, CMP

CAT5E LAN CABLE					CAT5E OUTDOOR CABLE					
Condition	Solid Bare Copper(24AWG)				Solid Bare Copper(24AWG)					
Insulation	HDPE				HDPE					
Filler	---	---	---	---	---	Gel	---	Gel	---	---
Shield	---	---	AL-Foil	AL-Foil	---	---	---	AL-Foil	AL-Foil	AL-Foil
Drain Wire	---	---	Solid TC	Solid TC	---	---	---	Solid TC	Solid TC	Solid TC
Braiding	---	---	---	Solid TC 95% Coverage	---	---	---	---	---	---
Messenger	---	---	---	---	---	---	Galvanized Steel	---	---	Galvanized Steel
Jacket	PVC OR LSZH				LLDPE (UV)			PVC+LLDPE (UV)		LLDPE (UV)
Outer Dia. (MM)	5.10±0.10mm	5.10x5.10±0.10mm	6.0±0.10mm	6.4±0.10mm	5.10±0.10mm	5.40±0.10mm	5.40x2.60±0.10mm	6.15±0.10mm	6.6±0.10mm	6.50x2.60±0.10mm
Packing	305M/Pull Box Or Wooden Spool				305M/Wooden Spool					
Types	UTP	UTP Dual	FTP	SFTP	UTP	UTP Gel Flooded Core	UTP With Messenger	FTP GEL(Shielded)	Dual Outer Jacket	FTP With Messenger
Picture										

Tech Drawing



RG6 SERIES

Application

- CATV Broadband & Video cable
- Broadband Video / Video Distribution, MATV
- Satellite 75Ω
- TVRO Satellite Ribbon Cables
- Security/CCTV (Closed Circuit Television)
- MAP Manufacturing Automation Protocol
- Broadcast
- Data Application

Reference Standard

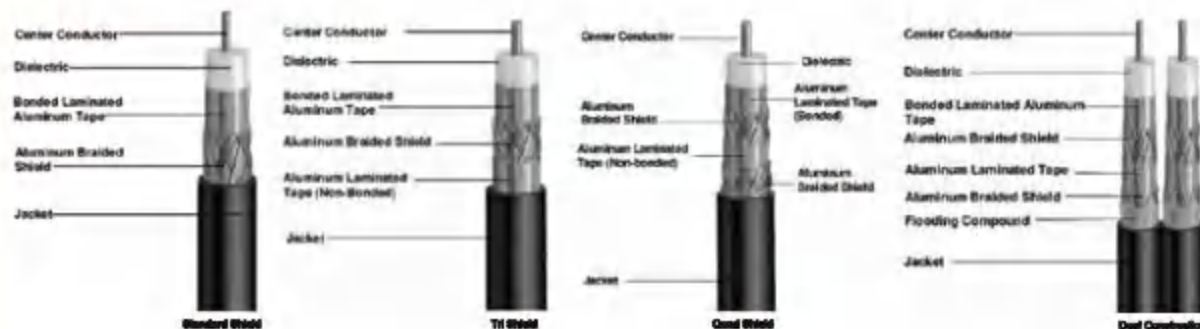
- UL 444
- IEC 332-1
- TIA/EIA 568-B/A
- ISO/IEV 11801



Physical Dimensions

Component	Standard Shield mm	Tri Shield mm	Quad Shield mm
Center Conductor	1.02	1.02	1.02
Dielectric	4.57	4.57	4.57
Outer Conductor	5.44	5.60	6.32
Jacket	6.91	7.06	7.62
Jacket Wall Thickness	0.76	0.76	0.75
Messenger	Single	1.30	1.30
	dual	1.83	1.83

Types of RG6



Electrical Speciation

Capacitance	50.9 pF/m 15.5 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	28.60 ohms/kft
Dielectric Strength, conductor to shield	2000 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	84 %
Shield dc Resistance	9.00 ohms/kft
Structural Return Loss	15 dB @ 1000 – 3000 MHz 20 dB @ 5–1000 MHz
Structural Return Loss Test Method	100% Swept Tested

Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1 MHz	1.25	0.38
10 MHz	2.30	0.70
50 MHz	4.85	1.48
100 MHz	6.59	2.01
200 MHz	9.38	2.86
400 MHz	13.87	4.23
700 MHz	19.55	5.96
900 MHz	22.83	6.96
1000 MHz	24.44	7.45
1200 MHz	27.06	8.25
1450 MHz	30.64	9.34
1800 MHz	35.06	10.69
2200 MHz	37.85	11.54
2500 MHz	38.38	11.70
3000 MHz	42.87	13.07

Environmental Specifications

Environmental Space	Plenum
Flame Test Method	CMP
Safety Standard	cETL ETL
UL Temperature Rating	60 °C 140 °F

Mechanical Characteristics

Minimum Breaking Strength of Messenger	single	82kgf
	dual	166kgf
Dielectric Adhesion	>20N/5cm	

Notes:

1. The conductivity should be more than 23% when CCS is used as inner conductor.
2. 60% coverage for inner shield, 42% coverage for outer shield.



RG59 SERIES

Application

- CATV Broadband & Video cable
- Broadband Video / Video Distribution, MATV
- Satellite 75Ω
- TVRO Satellite Ribbon Cables
- Security/CCTV (Closed Circuit Television)
- MAP Manufacturing Automation Protocol
- Broadcast
- Data Application

Reference Standard

- UL 444
- IEC 332-1
- TIA/EIA 568-B/A
- ISO/IEV 11801



Physical Dimensions

Component	Standard Shield mm	Tri. Shield mm	Quad. Shield mm
Center Conductor	0.81	0.81	0.81
Dielectric	3.66	3.66	3.66
Outer Conductor	4.53	6.20	5.38
Jacket	6.10	7.06	6.73
Jacket Wall Thickness	0.60	0.76	0.75
Messenger	Single	1.30	1.30
	dual	1.83	1.83

Types of RG59



Electrical Speciation

Capacitance	53.1pF/m 16.2 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	10.50 ohms/kft
Dielectric Strength, conductor to shield	2500 Vdc
Jacket Spark Test Voltage	2500 Vac
Nominal Velocity of Propagation (NVP)	81 %
Shield dc Resistance	3.60 ohms/kft
Structural Return Loss	20 dB @ 10–300 MHz
Structural Return Loss Test Method	100% Swept Tested

Environmental Specifications

Environmental Space	Non-plenum
Flame Test Method	CM
Safety Standard	cETL ETL
UL Temperature Rating	60 °C 140 °F

Mechanical Characteristics

Minimum Breaking Strength of Messenger	single	82kgf
	dual	166kgf
Dielectric Adhesion	>20N/5cm	

Notes:

1. The conductivity should be more than 20% when CCS is used as inner conductor.
2. 60% coverage for inner shield, 42% coverage for outer shield.

Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1 MHz	0.98	0.30
10 MHz	2.76	0.84
50 MHz	6.17	1.88
100 MHz	8.89	2.71
200 MHz	12.92	3.94
400 MHz	19.19	5.85
700 MHz	27.62	8.42
900 MHz	32.24	9.83
1000 MHz	33.46	10.20



RG11 SERIES

Application

- CATV Broadband & Video cable
- Broadband Video / Video Distribution, MATV
- Satellite 75Ω
- TVRO Satellite Ribbon Cables
- Security/CCTV (Closed Circuit Television)
- MAP Manufacturing Automation Protocol
- Broadcast
- Data Application

Reference Standard

- UL 444
- IEC 332-1
- TIA/EIA 568-B/A
- ISO/IEV 11801



Physical Dimensions

Component	Standard Shield mm	Tri Shield mm	Quad Shield mm
Center Conductor	1.63	1.63	1.63
Dielectric	7.11	7.11	7.11
Outer Conductor	7.98	8.11	8.83
Jacket	10.03	10.03	10.29
Jacket Wall Thickness	1.05	0.96	0.75
Messenger	Single	1.83	1.83
	dual	2.77	2.77

Types of RG11



Electrical Speciation

Capacitance	52.5 pF/m 16.0 pF/ft
Characteristic Impedance	75 ohm
Characteristic Impedance Tolerance	±3 ohm
Conductor dc Resistance	2.90 ohms/kft
Dielectric Strength, conductor to shield	4000 Vdc
Jacket Spark Test Voltage	5000 Vac
Nominal Velocity of Propagation (NVP)	86 %
Structural Return Loss	15 dB @ 1500–3000 MHz 20 dB @ 10–1500 MHz
Structural Return Loss Test Method	100% Swept Tested

Environmental Specifications

Environmental Space	Plenum
Flame Test Method	CMP
Operating Temperature	-40 °C to +75 °C (-40 °F to +167 °F)
Safety Standard	cETL ETL
UL Temperature Rating	75 °C 167 °F

Mechanical Characteristics

Minimum Breaking Strength of Messenger	single	166kgf
	dual	816kgf
Dielectric Adhesion	>20N/5cm	

Notes:

1. The conductivity should be more than 20% when CCS is used as inner conductor.
2. 60% coverage for inner shield, 42% coverage for outer shield.

Electrical Performance

Frequency	Attenuation (dB/100 m)	Attenuation (dB/100 ft)
1 MHz	0.30	0.09
10 MHz	1.48	0.45
50 MHz	2.95	0.90
100 MHz	4.20	1.28
200 MHz	6.07	1.85
400 MHz	9.02	2.75
700 MHz	12.86	3.92
900 MHz	15.48	4.72
1000 MHz	16.53	5.04
1450 MHz	21.06	6.42
1800 MHz	23.68	7.22
2200 MHz	25.55	7.79
2500 MHz	27.22	8.30
3000 MHz	30.24	9.22



RG174 SERIES

Application

- Data acquisition
- Communication and control equipment
- Audio recording , microphones & musical instruments
- Sensor probes
- Navigation systems

Reference Standard

- UL 444
- IEC 332-1
- TIA/EIA 568-B/A
- ISO/IEV 11801



Physical Dimensions

Polyethylene Insulation•PVC Jacket			
CABLE DESCRIPTION		RG 174/U	
		inches	mm
Center conductor	Material	Stranded bare Copper	
	Diameter	0.019"(7×34AMG)	0.48(7×0.16)
Insulation	Material	Solid PE	
	Diameter	0.060"	1.52
Outer Conductor	Material	AL Foil(optional)+Cu or TC Braid	
	Coverage	90%	90%
Jacket	Material	PVC	
	Diameter	0.110"	2.79

Types of RG174



Electrical Speciation

Nom. Characteristic Impedance	Impedance (Ohm)	50
Nom. Inductance	Inductance (µH/ft)	0.68
Nom. Capacitance Conductor to Shield	Capacitance (pF/ft)	26.2
Nominal Velocity of Propagation	VP (%)	73.5
Nominal Delay	Delay (ns/ft)	1.38
Nom. Conductor DC Resistance	DCR @ 20°C (Ohm/1000 ft)	27.3
Nominal Outer Shield DC Resistance	DCR @ 20°C (Ohm/1000 ft)	9.3
Maximum VSWR	Description	
	Freq. (MHz)	
	Start Freq. (MHz)	5
	Stop Freq. (MHz)	6000
	Max. VSWR	1.25:1

Electrical Performance

Frequency	Attenuation (dB/100 m)
5 MHz	1.4
10 MHz	2.0
30MHz	3.5
50 MHz	4.6
150 MHz	8.0
220 MHz	9.6
450 MHz	14.0
900 MHz	20.2
1500 MHz	26.6
1800 MHz	29.5
2000 MHz	31.2
2500 MHz	35.4
3000 MHz	39.4

Environmental Specifications

Temperature range	-25 °C... +85 °C
Installation temperature	-20 °C... +60 °C
2011/65/EU (RoHS)	compliant

Mechanical Characteristics

Operating Temperature Range	-40°C To +80°C
UL Temperature Rating	60°C
Bulk Cable Weight	9 lbs/1000 ft.
Max. Recommended Pulling Tension	20 lbs.
Min. Bend Radius/Minor Axis	1.250 in.



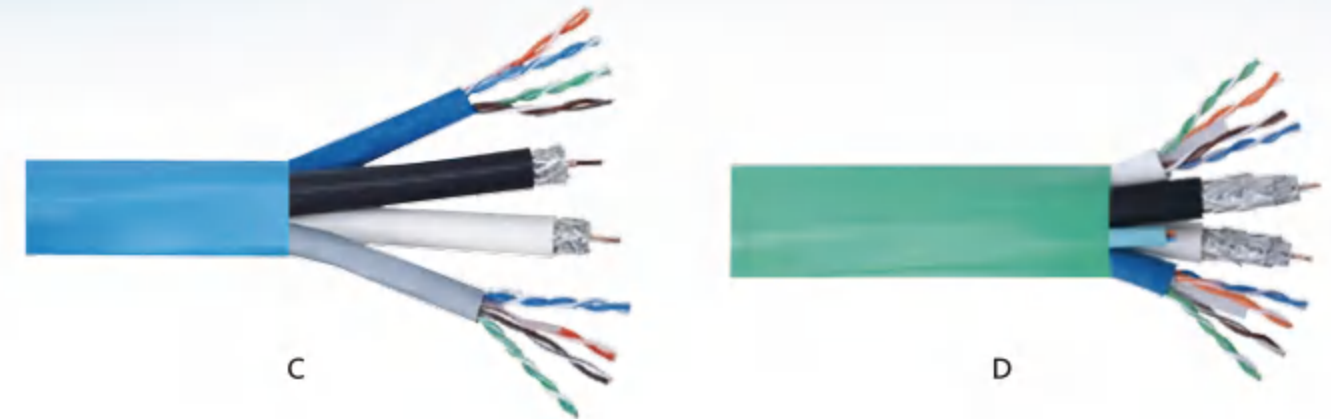
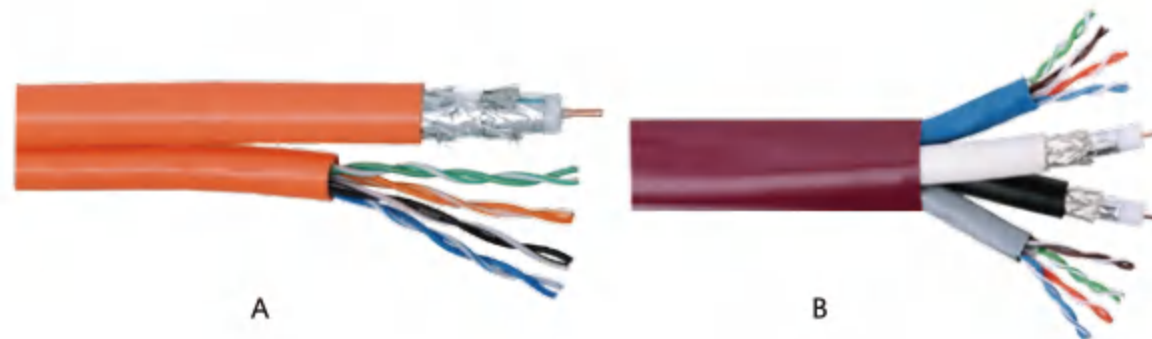
BUNDLED CABLE

Applications

- Ethernet Network Patching
- Horizontal LAN 10/100/1000BaseT Ethernet
- For Portable Use or Remote Environments
- Audio, Video, Infrared, IP Control, CATV, DBS
- Balun infrastructure, Voice, Voice over IP
- PoE, HDBaseT, Analog and Digital Media
- Smart Home Wiring with Fiber Optic Support
- Structured Cabling installations in Residential apps
- Baseband video, security video, digital audio

The Basic Types

- CAT5E+RG6 QUAD (A)
- 2 CAT5E+2 RG6 QUAD (B)
- 2 CAT6+2 RG6 QUAD (C)
- 2 CAT6+2 RG6 QUAD+2 FIBER (D)



Fiber	
Type	62.5/125/900 Micron
Core-Clad Offset	1.5 Micron Max
Primary Coating Material	ACRYLATE
Secpmdary Coating Material	PVC
Strength Member	ARAMID YARN
Outer Jacket Material	PVC

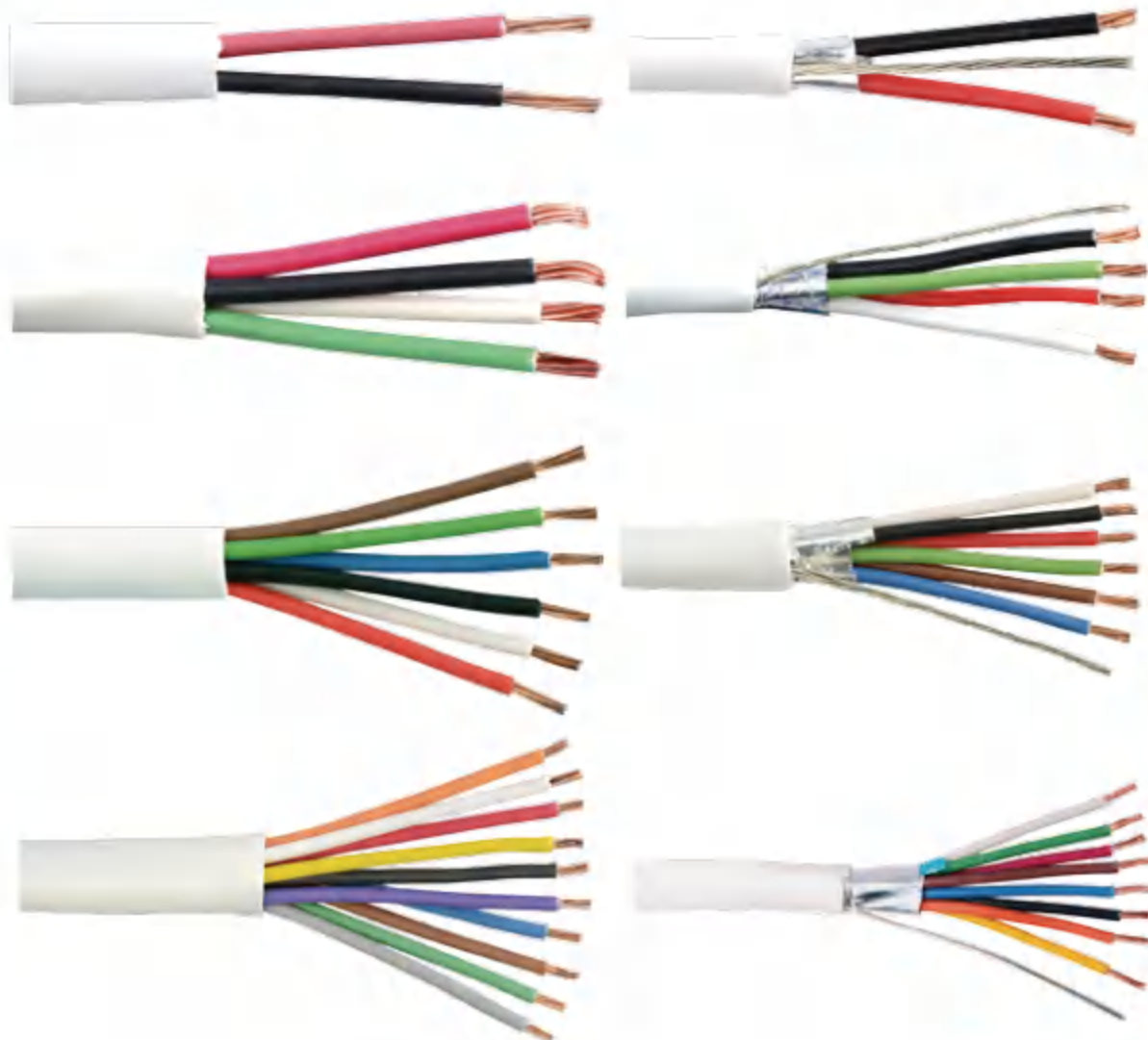
Construction			
	RG6(QUAD)	CAT5e	CAT6
Conductor	Solid BC (CCS) 1.02	Solid BC (4Pr) 24AMG	Solid BC (4Pr) 23AMG
Insulation	FOAM PE 4.60	PE	PE
Shield 1	Al foil (Bonded)		
Braiding 1	Al wire (60%)		
Shield 2	Al foil		
Braiding 2	Al wire(40%)		
Braiding 2	7.5+/-0.1	5.3+/-0.1	6.2+/-0.1

SECURITY & ALARM CABLE

Application

- Door Controllers
- Alarm and Signal
- Prox Sensors
- Audio Circuits
- Control Circuits
- Fire Protection
- Monitor/Detection
- Key Pads
- Sound Systems
- Smoke Detectors

Types of security & alarm cable



Produce Description

- Conductor:Strand Bare Copper
- Insulation:PP/PE/PVC
- Drain Wire:Solid copper
- Shield:AL Foi/PET
- Rip Cord:150*OD
- Sheath:PVC/LSHF
- Shape:roundness
- Rated Voltage:300/500V
- Rated Temp.:75

Features and Benefits

- Ideal for Indoor Remote Control of Security, Intercom, and Sound Systems
- Can also be used for Powering Limited-Control Circuits or Burglar Alarms
- PVC OR LSZH jacket
- ETL Listed, RoHS Compliant
- Flammability Grade:CMX、CM、CMG、CMR、CMP

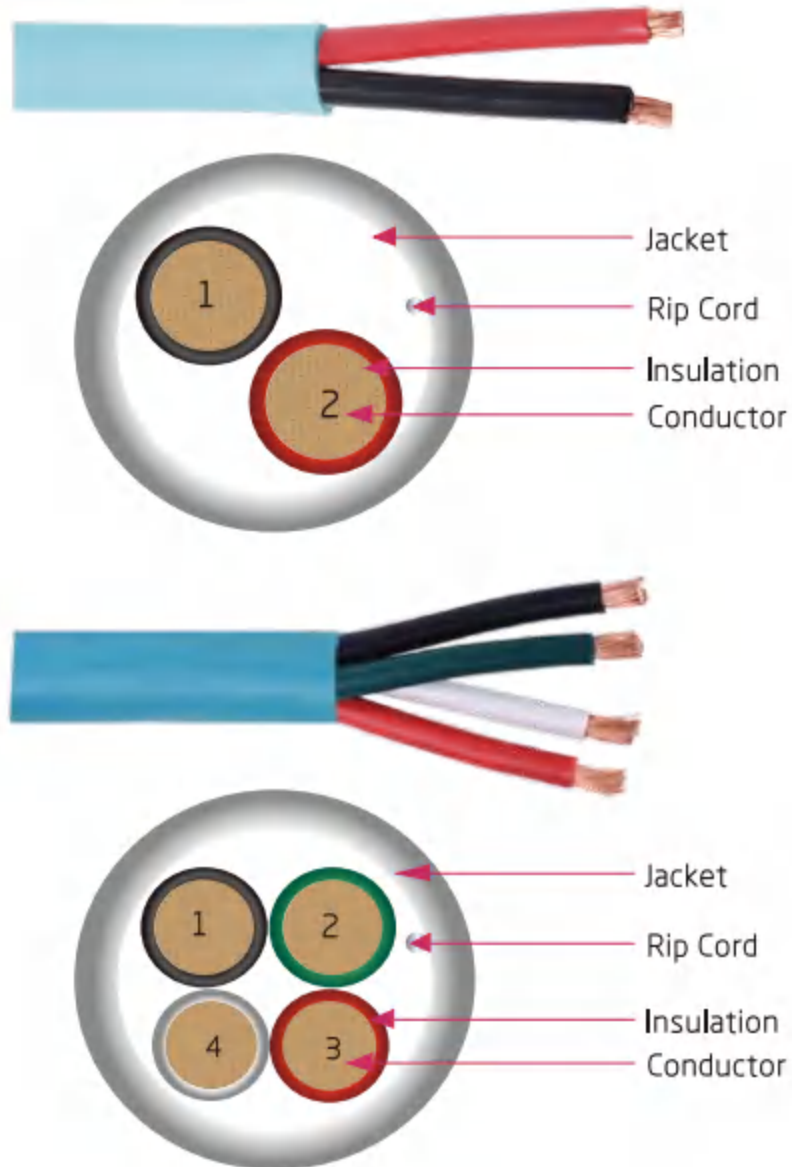
Item No.	Cords	Conductor Dia		Conductor Square mm2	Conductor Strand	Nom. Insulation thickness	Nom. Sheath thickness	Nom.OD
		AWG	MM					
SA0222	2	22	0.643	0.34	7/0.25	0.21	0.7	3.5
SA0422	4	22	0.643	0.34	7/0.25	0.21	0.7	4.2
SA0622	6	22	0.643	0.34	7/0.25	0.21	0.7	4.8
SA0822	8	22	0.643	0.34	7/0.25	0.21	0.7	5.5
SA1022	10	22	0.643	0.34	7/0.25	0.30	0.76	6.2
SA1211	12	22	0.643	0.34	7/0.25	0.30	0.76	7.0
SA0218	2	18	1.02	0.82	16/0.25	0.30	0.76	4.7
SA0418	4	18	1.02	0.82	16/0.25	0.30	0.76	5.6
SA0618	6	18	1.02	0.82	16/0.25	0.30	0.76	6.3
SA0818	8	18	1.02	0.82	16/0.25	0.38	0.8	7.1
SA0216	2	16	1.29	1.31	42/0.2	0.38	0.8	6.0
SA0316	3	16	1.29	1.31	42/0.2	0.38	0.8	6.5
SA0416	4	16	1.29	1.31	42/0.2	0.38	0.8	6.9
SA0214	2	14	1.63	2.08	19/0.36	0.38	0.8	6.3
SA0314	3	14	1.63	2.08	19/0.36	0.38	0.8	6.7
SA0414	4	14	1.63	2.08	19/0.36	0.38	0.8	7.2
SA0212	2	12	2.05	3.31	19/0.45	0.38	0.8	7.1

SPEAKER CABLE

Application

- Circuit of low-voltage, remote control device, signal system, security system, messaging system and interphone system

Types of speaker cable



Produce Description

- Conductor: Strand Bare Copper
- Insulation: PE/PVC
- Drain Wire: Solid copper
- Shield: AL Foil/PET
- Rip Cord: 150*OD
- Sheath: roundness
- Rated Voltage: 300/500V
- Rated Temp: 75

Features and Benefits

- Intercom Systems
- High End Professional Audio, Home Theater Grade, Speaker Audio
- High strand count for premium performance with less resistance
- PVC OR LSZH jacket fo extra protection and flexibility
- Oxygen Free Bare Copper for superior conductivity
- Balanced Twisted Pair construction

Item No.	Cords	Conductor Dia.		Conductor Square mm ²	Conductor Strand	Nom Insulation thickness	Nom Sheath thickness	Nom.OD
		AWG	MM					
S021601	2	16	1.29	1.31	26/0.254	0.31	0.6	5.4
S021602	2	16	1.29	1.31	65/0.16	0.31	0.6	5.4
S041601	4	16	1.29	1.31	26/0.254	0.31	0.88	7.0
S041602	4	16	1.29	1.31	65/0.16	0.31	0.88	7.0
S021401	2	14	1.63	2.11	41/0.254	0.35	0.6	6.4
S021402	2	14	1.63	2.11	105/0.16	0.35	0.6	6.4
S041401	4	14	1.63	2.11	41/0.254	0.35	0.65	7.6
S041402	4	14	1.63	2.11	105/0.16	0.35	0.65	7.6
S021201	2	12	2.05	3.29	65/0.254	0.42	0.8	8.0
S041202	4	12	2.05	3.29	65/0.254	0.42	0.8	9.40

PatchCords

Category5E PatchCords

• Engineered to meet exceed all TIA/EIAT568A/T568B/ SPECIFICATIONS Cords Accommodate T568A Wiring Applications 3FT,5FT,10FT ,14FT, and 25FT,Patch Cords with boots



Category6 PatchCords

• Engineered to meet exceed all TIA/EIAT568A/T568B/ SPECIFICATIONS Cords Accommodate T568A Wiring Applications 3FT,5FT,10FT ,14FT, and 25FT,Patch Cords with boots



RJ45 Modular Plug

- RJ45 Modular Plug
- 50 Micro-Inches Gold Plated 2 prong
- For Round Solid and Stranded wire
- 8P 8C
- 23AWG - 26AWG Cable
- 100 per bag



Patch Panel

Category5E and Category6 Vertical 12 Port Patch panel

• Engineered to meet exceed all TIA/EIAT568A/T568B/ SPECIFICATIONS Panels Include port Numbering and write-on Labeling areas with 89D bracket.



Category 5E and Category 6 24 Port Patch panel

• Engineered to meet exceed all TIA/EIAT568A/T568B/SPECIFICATIONS Panels Include port Numbering and write-on Labeling areas TY wraps and cable Management bracket.



Category 5E and Category 6 48 Port Patch panel

• Engineered to meet exceed all TIA/EIAT568A/T568B/SPECIFICATIONS Panels Include port Numbering and write-on Labeling areas TY wraps and rear cable Management bracket.

