



NINGBO HOTION CABLE CO.,LTD

**WORLD OF STRUCTURED CABLING SYSTEM
AND CONSUMER ELECTRONIC**

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NINGBO HOTION CABLE CO.,LTD

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Company Profile

Ningbo Hotion Cable Co.,Ltd is the professional manufacturer of cabling, network and communication equipment and accessories in Ningbo China. Our main products are fire alarm cable/fire resistant cable, alarm cable, telephone cable, speaker cable, RVV cable, blasting cable and network patch cable. All products are exported to international markets including Europe, America, Middle east, Africa etc.

Ningbo Hotion Cable Co.,Ltd covers 5000 square meter and has more than 50 employees. All of worker well-trained and skillful, we have our own engineering and technical team. We have many modern and advanced manufacturing machines and test equipment.

We do believe in the win-win situation for building up long-terms business relationship. Outstanding service, quality and cooperation are the core values of Ningbo Hotion Cable Co.,Ltd

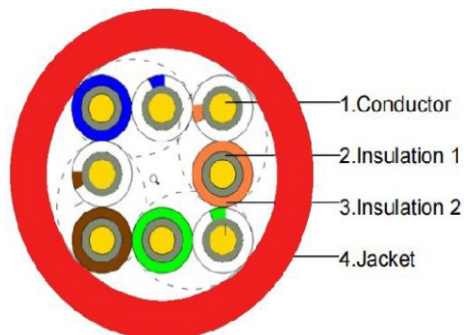
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CAT5E FIRE RESISTANT LAN CABLE

Fire Resistant CAT5E Network Cable

BS6387 EN50200 PH30



KEY APPLICATIONS

Cat5E is a cable standard for Gigabit Ethernet and other network protocol, suitable for basic voice and data installations up to 100 MHz. In addition, these cables can be offered with fire resistant ability, providing additional mechanical protection still maintaining the flexibility of the cable.

TECHNICAL DESCRIPTION

Conductor	Solid Bare Copper 4x2x24AWG
Insulation Material	HDPE+Fire resistant material
Total number of conductors	8, twisted in 4 pairs
Color code	white-blue/blue, white-orange/orange, white-green/green, white-brown/brown
Jacket Material	LSZH, Red RAL 3000
Overall Diameter	6.5mm

STANDARDS

Electrical Performance	ISO/IEC 11801, EN 50173, ANSI/TIA/EIA 568
Electrical Safety	CEI-UNEL 36762
Fire Resistance	EN50200 PH30
Reaction to Fire	IEC60332-3-10; IEC60332-3-24; IEC60332-1-2

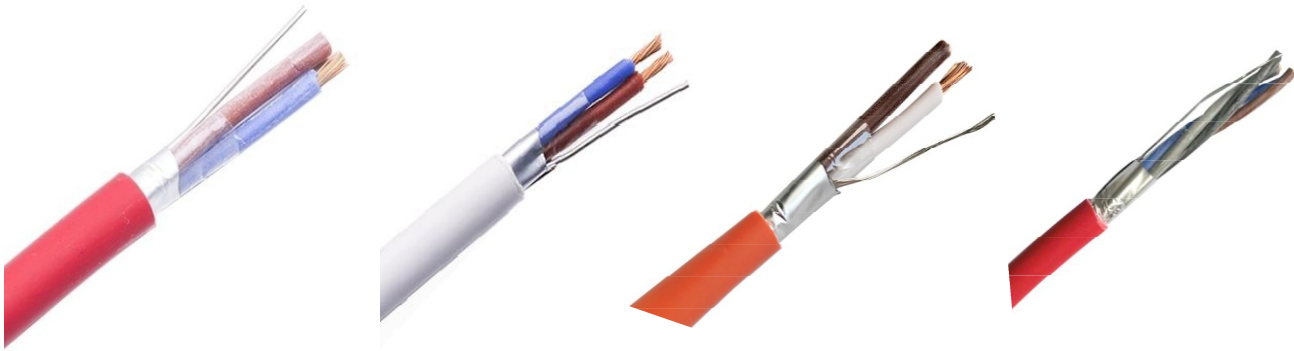
TECHNICAL DATA

Number of cores	Nominal cross section conductor [AWG]	Category	Screen	Nominal jacket outer diameter [mm]
8	24	CAT5E	unscreen	6.2

FIRE ALARM CABLE

Fire Resistant Type

Stranded Conductor BS6387 EN50200 PH30



KEY APPLICATIONS

Fire detection and fire alarm systems for buildings.
Voice alarm systems and emergency voice communication.
Emergency and escape lighting.
Control circuits for fire safety and fire fighting systems.

TECHNICAL DESCRIPTION

Operating Voltage	300/500V
Test Voltage(50Hz)	2.0kV
Conductor	Stranded Bare Copper
Insulation Material	Silicone Rubber
Jacket Material	LSZH

STANDARDS

BS EN 50200 - PH30	Fire Resistant Test - Flame & Shock - 30 Minutes
BS EN 50200 - PH60	Fire Resistant Test - Flame & Shock - 60 Minutes
BS EN 50200 - PH120	Fire Resistant Test - Flame & Shock - 120 Minutes
BS 6387 Category CWZ	Fire Resistant Test

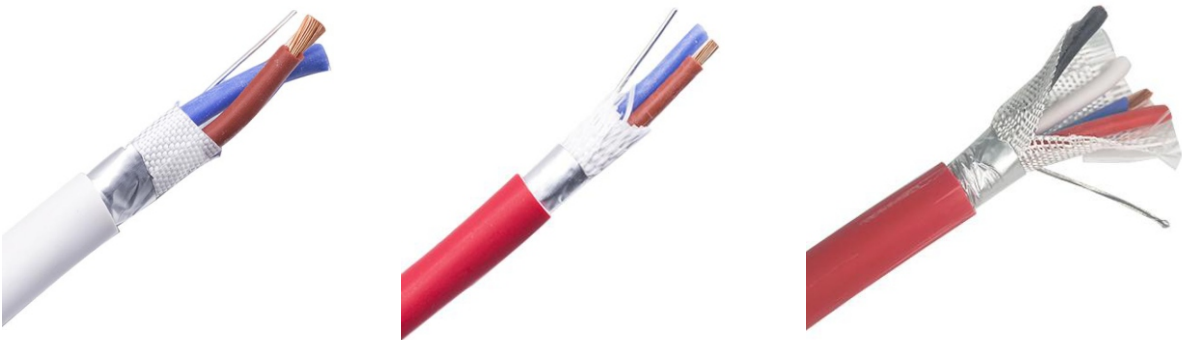
TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm ²]	Nominal jacket outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
2	0.8	5.7	47.5	23.8
2	1.0	6.1	52	19.5
2	1.5	7.1	70	13.3
2	2.5	8.3	98.5	7.98
4	0.8	6.7	76.5	23.8
4	1.0	7.2	85.6	19.5
4	1.5	8.1	116	13.3
4	2.5	10.4	185	7.98

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Fire Resistant Type

Stranded Conductor BS6387 EN50200 PH120



KEY APPLICATIONS

- Fire detection and fire alarm systems for buildings.
- Voice alarm systems and emergency voice communication.
- Emergency and escape lighting.
- Control circuits for fire safety and fire fighting systems.

TECHNICAL DESCRIPTION

Operating Voltage	300/500V
Test Voltage(50Hz)	2.0kV
Conductor	Stranded Bare Copper
Insulation Material	Silicone Rubber
Jacket Material	LSZH

STANDARDS

BS EN 50200 - PH30	Fire Resistant Test - Flame & Shock - 30 Minutes
BS EN 50200 - PH60	Fire Resistant Test - Flame & Shock - 60 Minutes
BS EN 50200 - PH120	Fire Resistant Test - Flame & Shock - 120 Minutes
BS 6387 Category CWZ	Fire Resistant Test

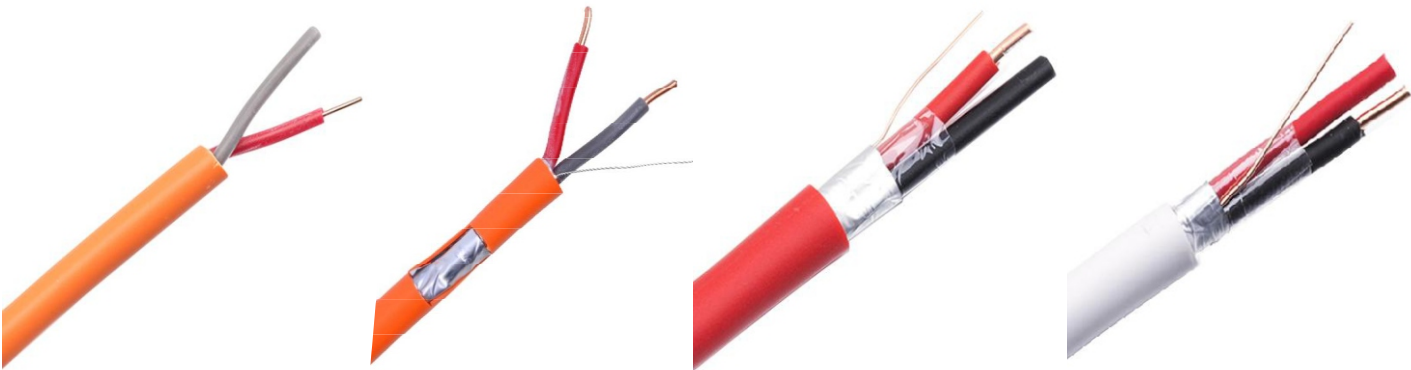
TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm ²]	Nominal jacket outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
2	0.8	5.9	52.3	23.8
2	1.0	6.3	58.6	19.5
2	1.5	7.4	78.5	13.3
2	2.5	8.5	107	7.98
4	0.8	6.9	82.6	23.8
4	1.0	7.5	97	19.5
4	1.5	8.4	132	13.3
4	2.5	10.8	208	7.98

FIRE ALARM CABLE

Fire Resistant Type

Solid Conductor BS6387 EN50200 PH30



KEY APPLICATIONS

- Fire detection and fire alarm systems for buildings.
- Voice alarm systems and emergency voice communication.
- Emergency and escape lighting.
- Control circuits for fire safety and fire fighting systems.

TECHNICAL DESCRIPTION

Operating Voltage	300/500V
Test Voltage(50Hz)	2.0kV
Conductor	Solid Bare Copper
Insulation Material	Silicone Rubber
Jacket Material	LSZH

STANDARDS

BS EN 50200 - PH30	Fire Resistant Test - Flame & Shock - 30 Minutes
BS EN 50200 - PH60	Fire Resistant Test - Flame & Shock - 60 Minutes
BS EN 50200 - PH120	Fire Resistant Test - Flame & Shock - 120 Minutes
BS 6387 Category CWZ	Fire Resistant Test

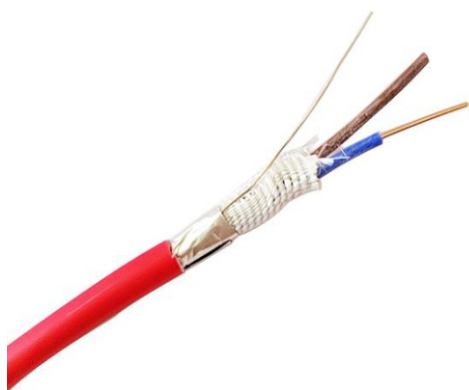
TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm²]	Nominal jacket outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
2	0.8	5.7	47.5	23.8
2	1.0	6.1	52	19.5
2	1.5	7.1	70	13.3
2	2.5	8.3	98.5	7.98
4	0.8	6.7	76.5	23.8
4	1.0	7.2	85.6	19.5
4	1.5	8.1	116	13.3
4	2.5	10.4	185	7.98

FIRE ALARM CABLE

Fire Resistant Type

Solid Conductor BS6387 EN50200 PH120



KEY APPLICATIONS

- Fire detection and fire alarm systems for buildings.
- Voice alarm systems and emergency voice communication.
- Emergency and escape lighting.
- Control circuits for fire safety and fire fighting systems.

TECHNICAL DESCRIPTION

Operating Voltage	300/500V
Test Voltage(50Hz)	2.0kV
Conductor	Solid Bare Copper
Insulation Material	Silicone Rubber
Jacket Material	LSZH

STANDARDS

BS EN 50200 - PH30	Fire Resistant Test - Flame & Shock - 30 Minutes
BS EN 50200 - PH60	Fire Resistant Test - Flame & Shock - 60 Minutes
BS EN 50200 - PH120	Fire Resistant Test - Flame & Shock - 120 Minutes
BS 6387 Category CWZ	Fire Resistant Test

TECHNICAL DATA

Number of cores	Nominal cross section conductor [mm²]	Nominal jacket outer diameter [mm]	Cable weight [kg/km]	Conductor resistance at 20° C [Ohm/km]
2	0.8	5.9	52.3	23.8
2	1.0	6.3	58.6	19.5
2	1.5	7.4	78.5	13.3
2	2.5	8.5	107	7.98
4	0.8	6.9	82.6	23.8
4	1.0	7.5	97	19.5
4	1.5	8.4	132	13.3
4	2.5	10.8	208	7.98

Single Core DC Solar PV Cable

PV1-F



KEY APPLICATIONS

Single SOLAR CABLE, Double Insulated, Halogen free, Flame retardant
Internal wiring for solar panel and photovoltaic applications

TECHNICAL DESCRIPTION

Ambient Temperature	-40℃~+90℃
Test Voltage	6500V, 50Hz, 5min
Number of Cores	Single core
Rated voltage	Max DC 1.8kV
Max Temperature at conductor	+120℃
Conductor	Tinned Copper
Insulation Material	XLPO
Jacket Material	XLPO

STANDARDS

Flame test	IEC60332-1
Weathering /UV-resistance	HD605/A1
ACID and Alkali resistance	EN60811-2-1

TECHNICAL DATA

Cross Section (mm²)	Conductor Constuction (No./mm)	Insulation Min. Thickness (mm)	Jacket Min.Thickness (mm)	Cable Od. (mm)
1.5	22x0.29	0.7	0.8	4.8
2.5	36x0.29	0.7	0.8	5.5
4	56x0.29	0.75	0.8	6.2
6	84x0.29	0.8	0.8	7.00
10	80x0.4	0.8	0.9	8.5
16	120x0.4	1.0	1.0	10
25	196x0.4	1.0	1.0	12
35	276x0.4	1.2	1.2	13.00

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Twin Core DC Cable Solar PV Cable

PV1-F



KEY APPLICATIONS

Twin Core SOLAR CABLE, Double Insulated, Halogen free, Flame retardant
Internal wiring for solar panel and photovoltaic applications

TECHNICAL DESCRIPTION

Ambient Temperature	-40℃~+90℃
Test Voltage	6500V, 50Hz, 5min
Number of Cores	Single core
Rated voltage	DC 1.0kV
Max Temperature at conductor	+120℃
Conductor	Tinned Copper
Insulation Material	XLPO
Jacket Material	XLPO

STANDARDS

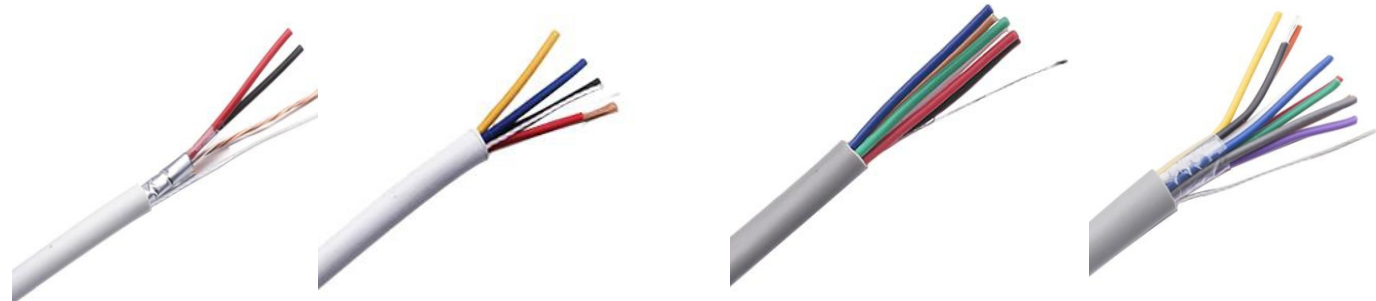
Flame test	IEC60332-1
Weathering /UV-resistance	HD605/A1
ACID and Alkali resistance	EN60811-2-1

TECHNICAL DATA

Cross Section (mm ²)	Conductor Construction (No./mm)	Insulation Min. Thickness (mm)	Jacket Min. Thickness (mm)	Cable Od. (mm)
2x2.5	36x0.29	0.7	0.8	5.2x10.8
2x4	56x0.29	0.7	0.8	5.6x11.5
2x6	84x0.29	0.7	0.8	6.5x13.5
2x10	80x0.4	0.7	0.8	7.6x15.5

Security Alarm Cable

Alarm Cable



Product Description:

Conductor Material: solid or stranded CCA, TC, BC, TCCA

Cable Core: 2/4/6/8/10/12/14/16/18/20 cores

Insulation: PVC

Rip cord: Nylon Fiber

Shielding: shielded or unshielded

Jacket: PVC

Electrical Characteristics:

Nominal DC resistance per conductor at 206.43 ohms/Kft

Nominal capacitance between conductors at 1kHz 35 pF/FT

Operating voltage: 300V/RMS max

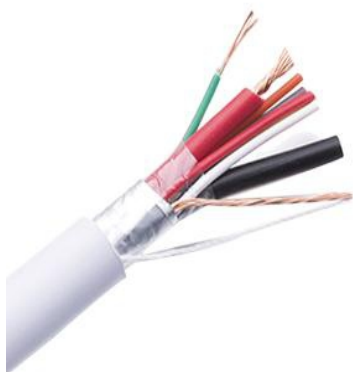
Temperature rating: -20°C to 60°C

TECHNICAL DATA

Conductor			Insulation		Jacket		
Specification (AWG)	Core No.	Construction (No./mm)	Thickness (mm)	Outer Dia. (mm)	earth wire(No./m)	Thickness (mm)	Outer Dia. (mm)
22	2	7/0.2	0.2	1	7/0.2	0.45	3.2
22	4	7/0.2	0.2	1	7/0.2	0.5	3.6
22	6	7/0.2	0.2	1	7/0.2	0.5	4.2
22	8	7/0.2	0.2	1	7/0.2	0.6	4.8
22	10	7/0.2	0.2	1	7/0.2	0.6	5.2
22	12	7/0.2	0.2	1	7/0.2	0.7	5.7
22	14	7/0.2	0.2	1	7/0.2	0.7	6
22	16	7/0.2	0.2	1	7/0.2	0.7	6.3
22	18	7/0.2	0.2	1	7/0.2	0.8	6.8
22	20	7/0.2	0.2	1	7/0.2	0.8	7.1
22	30	7/0.2	0.2	1	7/0.2	0.9	8.3

Security Alarm Cable

Composite Alarm Cable



Product Description:

Conductor Material: solid or stranded CCA, TC, BC, TCCA

Cable Core: 2/4/6/8/10/12/14/16/18/20 cores

Insulation: PVC

Rip cord: Nylon Fiber

Shielding: shielded or unshielded

Jacket: PVC

Electrical Characteristics:

Nominal DC resistance per conductor at 206.43 ohms/Kft

Nominal capacitance between conductors at 1kHz 35 pF/FT

Operating voltage: 300V/RMS max

Temperature rating: -20°C to 60°C

TECHNICAL DATA

Conductor			Insulation		Jacket		
Specification (AWG)	Core No.	Construction (No./mm)	Thickness (mm)	Outer Dia. (mm)	earth wire(No./mm)	Thickness (mm)	Outer Dia. (mm)
22	2+2	16/0.2+7/0.2	1	1.5	7/0.2	0.5	4.4
22	2+4	16/0.2+7/0.2	1	1.5	7/0.2	0.5	4.9
22	2+6	16/0.2+7/0.2	1	1.5	7/0.2	0.5	5.2
22	2+8	16/0.2+7/0.2	1	1.5	7/0.2	0.6	6.1
22	2+10	16/0.2+7/0.2	1	1.5	7/0.2	0.6	6.2
22	2+12	16/0.2+7/0.2	1	1.5	7/0.2	0.6	6.4
22	2+14	16/0.2+7/0.2	1	1.5	7/0.2	0.7	6.9
22	2+16	16/0.2+7/0.2	1	1.5	7/0.2	0.7	7.2
22	2+18	16/0.2+7/0.2	1	1.5	7/0.2	0.8	7.7
22	2+20	16/0.2+7/0.2	1	1.5	7/0.2	0.8	8.1

CCC 227IEC52/53 RVV Power Cable

227IEC52 RVV



Product Description:

Refer Standard: GB5023-1977

Rated Temperature:70℃

Rated Voltage:300/300V

Tinned or bare stranded copper conductor

PVC Insulation, in compliance with ROHS environmental standards

Standard insulation thickness to ensure easy stripping and cutting

Used for general electronics, electric appliances, power supply connecting wire and plug wire.

Technical Requirements:

Conductor: Multi strands soft bare copper, in compliance with JIS C3406; Single conductor: soft annealing copper, in compliance with JIS C3102.

Packing: Barrels, Cartons, Rolls, Spools, etc.

All different kinds of special cables can be developed, to meet customer's requirements or samples.

TECHNICAL DATA

Type	Conductor		Insulation		Jacket		Max. Conductor Resistance at 20℃ (/KM)
	Nominal Area (mm ²)	Strands/ Single Dia. (mm)	Nominal Thickness (mm)	Nominal Dia. (mm)	Nominal Thickness (mm)	Nominal Dia. (mm)	
52	2*0.5	2*28/0.15	0.5	2	0.6	5.4 5.6*3.4	39.0
	2*0.75	2*42/0.15	0.5	2.2	0.6	5.8 6*3.6	26.0
	3*0.5	2*28/0.15	0.5	2	0.6	5.6	39.0
	3*0.75	2*42/0.15	0.5	2.2	0.6	6	26.0
53	2*0.75	2*42/0.15	0.6	2.4	0.8	6.4	26.0
	2*1	2*32/0.2	0.6	2.6	0.8	7	19.5
	2*1.5	2*48/0.2	0.7	3.1	0.8	8	13.3
	2*2.5	2*51/0.25	0.8	3.7	1	9.2	7.98
	3*0.75	3*28/0.15	0.6	2.4	0.8	6.8	26.0
	3*1	3*32/0.2	0.6	2.6	0.8	7.2	19.5
	3*1.5	3*48/0.2	0.7	3.1	0.9	8.2	13.3
	3*2.5	3*51/0.25	0.8	3.7	1	9.8	7.98
	4*0.75	4*28/0.15	0.6	2.4	0.8	7.4	26.0
	4*1	4*32/0.2	0.6	2.6	0.9	8	19.5
	4*1.5	4*48/0.2	0.7	3.1	1	9.2	13.3
	4*2.5	4*51/0.25	0.8	3.7	1.1	11.1	7.98
	5*0.75	5*28/0.15	0.6	2.4	0.9	8.2	26.0
	5*1	5*32/0.2	0.6	2.6	0.9	8.8	19.5
	5*1.5	5*48/0.2	0.7	3.1	1.1	10.2	13.3
	5*2.5	5*51/0.25	0.8	3.7	1.2	12.3	7.98

CCC RVVP Power Cable

RVVP



Product Description:

Refer Standard: GB5023-1977

Rated Temperature:70℃

Rated Voltage:300/300V

Tinned or bare stranded copper conductor

PVC Insulation, in compliance with ROHS environmental standards

Standard insulation thickness to ensure easy stripping and cutting

Used for general electronics, electric appliances, power supply connecting wire and plug wire.

Technical Requirements:

Conductor: Multi strands soft bare copper, in compliance with JIS C3406; Single conductor: soft annealing copper, in compliance with JIS C3102.

Packing: Barrels, Cartons, Rolls, Spools, etc.

All different kinds of special cables can be developed, to meet customer's requirements or samples.

TECHNICAL DATA

Conductor		Insulation		Braid	Jacket		Max. Conductor Resistance at 20℃ (/KM)
Nominal Area (mm ²)	Strands/ Single Dia. (mm)	Nominal Thickness (mm)	Nominal Dia. (mm)		Nominal Thickness (mm)	Nominal Dia. (mm)	
2*0.75	2*42/0.15	0.6	2.4	80/0.12	0.8	6.4	26.0
2*1	2*32/0.2	0.6	2.6	96/0.12	0.8	7	19.5
2*1.5	2*48/0.2	0.7	3.1	112/0.12	0.8	8	13.3
2*2.5	2*51/0.25	0.8	3.7	128/0.12	1	9.2	7.98
3*0.75	3*28/0.15	0.6	2.4	112/0.12	0.8	6.8	26.0
3*1	3*32/0.2	0.6	2.6	112/0.12	0.8	7.2	19.5
3*1.5	3*48/0.2	0.7	3.1	128/0.12	0.9	8.2	13.3
3*2.5	3*51/0.25	0.8	3.7	144/0.12	1	9.8	7.98
4*0.75	4*28/0.15	0.6	2.4	112/0.12	0.8	7.4	26.0
4*1	4*32/0.2	0.6	2.6	112/0.12	0.9	8	19.5
4*1.5	4*48/0.2	0.7	3.1	128/0.12	1	9.2	13.3
4*2.5	4*51/0.25	0.8	3.7	144/0.12	1.1	11.1	7.98
5*0.75	5*28/0.15	0.6	2.4	112/0.12	0.9	8.2	26.0
5*1	5*32/0.2	0.6	2.6	128/0.12	0.9	8.8	19.5
5*1.5	5*48/0.2	0.7	3.1	128/0.12	1.1	10.2	13.3
5*2.5	5*51/0.25	0.8	3.7	144/0.12	1.2	12.3	7.98
6*0.75	6*28/0.15	0.6	2.4	128/0.12	0.9	8.2	26.0
6*1	6*32/0.2	0.6	2.6	128/0.12	0.9	8.8	19.5
6*1.5	6*48/0.2	0.7	3.1	144/0.12	1.1	10.2	13.3
6*2.5	6*51/0.25	0.8	3.7	168/0.12	1.2	12.3	7.98
7*0.75	7*28/0.15	0.6	2.4	128/0.12	0.9	8.2	26.0
7*1	7*32/0.2	0.6	2.6	128/0.12	0.9	8.8	19.5
7*1.5	7*48/0.2	0.7	3.1	144/0.12	1.1	10.2	13.3
7*2.5	7*51/0.25	0.8	3.7	168/0.12	1.2	12.3	7.98

Speaker Cable



Product Description:

Rated Temperature: 70°C

Refer Standard: Q/321002LLA02-2006

0.5-4mm² tinned or bare stranded copper conductor

PVC Insulation, in compliance with ROHS environmental standards

Standard insulation thickness to ensure easy stripping and cutting

Used for connecting power amplifier and audio equipment, etc.

Technical Requirement:

Conductor: Multi strands soft bare copper, in compliance with JIS C3406; Single conductor: soft annealing copper, in compliance with JIS C3102.

Packing: Barrels, Cartons, Rolls, Spools, etc.

All different kinds of special cables can be developed, to meet customer's

TECHNICAL DATA

Conductor			Insulation	
Nominal Area(mm ²)	Strands/ Single Dia. (mm)	Actual Area (mm ²)	Thickness (mm)	Nominal Dia. (mm)
0.16	2*14/0.12	0.158	0.5	1.6*3.2
0.2	2*18/0.12	0.204	0.6	1.8*3.6
0.35	2*31/0.12	0.35	0.6	2*4
0.5	2*28/0.15	0.495	0.7	2.1*4.2
0.75	2*42/0.15	0.742	0.7	2.3*4.6
1	2*56/0.15	0.989	0.7	2.5*5
1.5	2*84/0.15	1.484	0.7	2.7*5.4
2	2*63/0.2	1.979	1	3.2*6.4
2.5	2*79/0.2	2.481	1	3.4*6.8
4	2*127/0.2	3.989	1.5	4.6*9.2

Telephone Cable



Product Description:

Rated Temperature:70℃

Tinned or bare stranded copper conductor, aluminium conductor sheathed by copper or tinned copper.

PVC, PE Insulation, in compliance with ROHS environmental standards

Standard insulation thickness to ensure easy stripping and cutting

Used for connecting electrical circuit, remote control unit, signal system,

Technical Requirement:

Conductor: Multi strands soft bare copper, in compliance with JIS C3406; Single conductor: soft annealing copper, in compliance with JIS C3102.

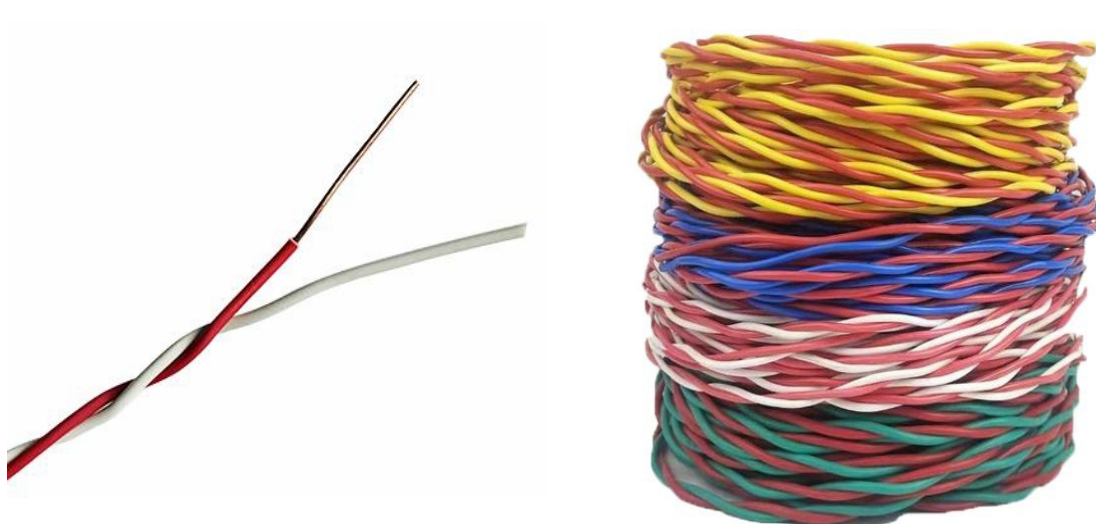
Packing: Barrels, Cartons, Rolls, Spools, etc.

All different kinds of special cables can be developed, to meet customer's requirements

TECHNICAL DATA

Conductor			Insulation		Jacket	
Specification (AWG)	Core No.	Construction (No./mm)	Thickness (mm)	Outer Dia. (mm)	Thickness (mm)	Outer Dia. (mm)
28	2	7/0.12	0.29	0.95	0.5	2.1*3.2
28	4	7/0.12	0.29	0.95	0.5	2.2*4.8
28	6	7/0.12	0.29	0.95	0.5	2.4*6.8
28	8	7/0.12	0.29	0.95	0.5	2.5*8.7

Blasting Cable



Product Description:

Insulation: PVC or PP

Conductor: stranded or solid copper

Construction, sizes, colors, length, all can be customized.

Application

These wires are designed, engineered, produced, packaged and shipped to fill the needs of all electric and electronic blasting systems Barrels, Cartons, Rolls, Spools, etc.

Technical Data

Conductor		Insulation		Conductor DC Resistant at 20°C (/KM)
Specification (mm)	Core No.	Thickness (mm)	Outer Dia. (mm)	
0.45	2	0.25	0.95	109
0.5	2	0.25	1.00	88.2
0.6	2	0.25	1.1	67.3



CONNECTING PEOPLE&WORLD



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