



2026-2027



CATALOG

SECURITY & CONTROL

CABLE

FIRE RESISTANT, FIRE ALARM, LiYCY, BAS CONTROL, SPEAKER CABLE





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American Cabling

SECURITY & CONTROL CABLING SOLUTIONS



(Fire Alarm Cable + Fire Resistant Cable + BAS Cable + PA / BGM Speaker Cable)

SECURITY CABLE

Fire Alarm Cable

CB-0118

FIRE ALARM, UNSHIELDED 2X18 AWG, 1 PAIR, FPL Grade



CB-0116

FIRE ALARM, UNSHIELDED 2X16 AWG, 1 PAIR, FPL Grade



OPTION

CB-0218

FIRE ALARM, SHIELDED 2X18 AWG, 1 PAIR, FPL Grade



CB-0216

FIRE ALARM, SHIELDED 2X16 AWG, 1 PAIR, FPL Grade



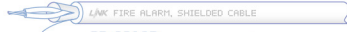
CB-0218R

FIRE ALARM, SHIELDED 2X18 AWG, 1 PAIR, FPLR Grade



CB-0216R

FIRE ALARM, SHIELDED 2X16 AWG, 1 PAIR, FPLR Grade



CB-0216P

FIRE ALARM, SHIELDED 2X16 AWG, 1 PAIR, FE OUTDOOR



Fire Resistant Cable (FRC)

CB-0801

FIRE RESISTANT, Insulated, Non Sheathed 1.5 mm.² 1 C Cable



CB-0802

FIRE RESISTANT, Insulated, Non Sheathed 2.5 mm.² 1 C Cable



OPTION

CB-0021A

FIRE RESISTANT, UNSHIELDED 2X1.5 mm.², 1 P, 2 C Cable



CB-0025A

FIRE RESISTANT, UNSHIELDED 2X2.5 mm.², 1 P, 2 C Cable



CONTROL CABLE

BAS CONTROL Cable

CB-0318AA

BAS, TWISTED PAIR TC 2 C, 18 AWG, 1 PAIR Cable



CB-0418AA

BAS, TWISTED PAIR TC 4 C, 18 AWG, 2 PAIR Cable



CB-0422AA

BAS, TWISTED PAIR TC 4 C, 22 AWG, 2 PAIR Cable



OPTION

CB-0318AAP

BAS, TWISTED PAIR Foil SHIELD 2X18 AWG, 1P OUTDOOR Cable



CB-0418AAP

BAS, TWISTED PAIR Foil SHIELD 4X18 AWG, 2P OUTDOOR Cable



SPEAKER CABLE

CB-0516W

ROUND SPEAKER 1 P, 16 AWG, CABLE



CB-0514W

ROUND SPEAKER 1 P, 14 AWG, CABLE



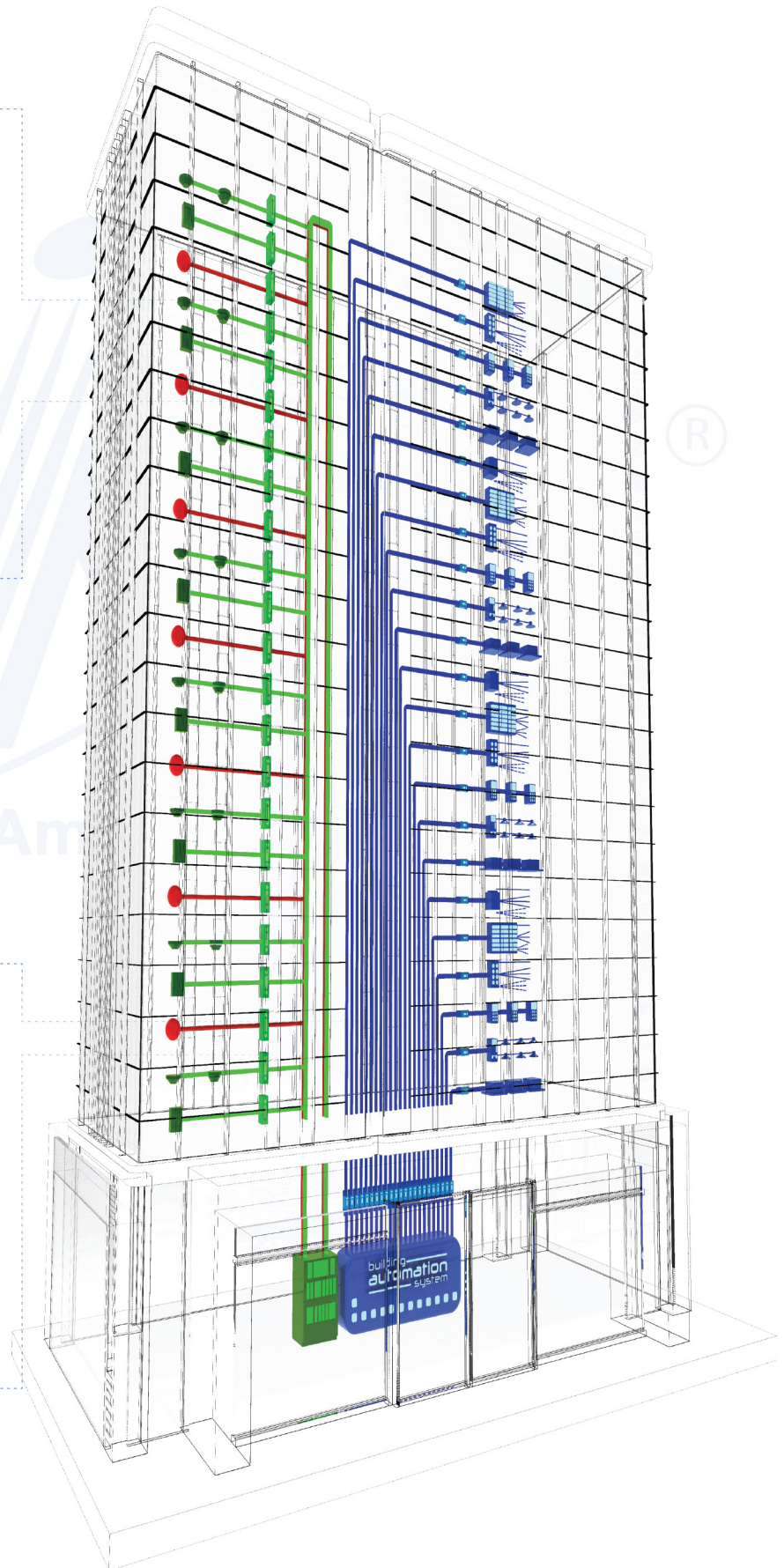
CB-0501

Flat SPEAKER CABLE 2 X 1.5 mm.², TRANSPARENT



CB-0502

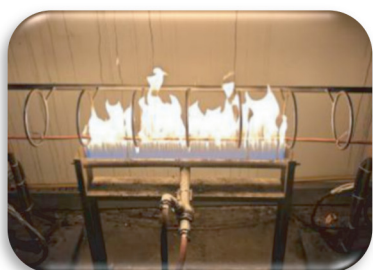
Flat SPEAKER CABLE 2 X 2.5 mm.², TRANSPARENT



LINK Cables are tested in accordance with multiple internationally recognized cable standards. The following IEC, SS, and BS standards are listed according to the relevant fire performance test categories.

Fire Resistance Test

The following tests are designed to assess the capability of a cable to maintain circuit integrity under the conditions listed below.



Fire test



Fire and Water test



Fire with Mechanical test

Standard	Test Method /Category	Test Condition	Temperature	Duration
IEC 60331	Part 60331-21	Fire resistance	750°C	Minimum 90 minutes
	Part 60331-1	Fire resistance	850°C	Minimum 120 minutes
BS 6387:2013	Protocol C	Resistance to fire	950°C	Up to 3 hours
	Protocol W	Resistance to fire with water spray	650°C	Fire exposure for 15 minutes followed by fire with water spray for 15 minutes
	Protocol Z	Resistance to fire with mechanical impact	950°C	15 minutes with mechanical impact applied every 30 seconds
SS 299	Category C	Resistance to fire	950°C	Up to 3 hours
	Category W	Resistance to fire with water spray	650°C	Fire exposure for 15 minutes followed by fire with water spray for 15 minutes
	Category	Resistance to fire with mechanical impact	950°C	15 minutes with mechanical impact applied every 30 seconds

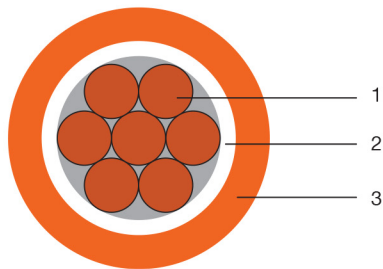
Corrosive & Acid Gas Emission Test

Standard	Test Method
IEC 60754-1	Acid Gas Emission
IEC 60684-2	Fluorine Content
EN 60754-2	pH & Conductivity
EN 60754-1 / EN 60754-2	Corrosive & Acid Gas

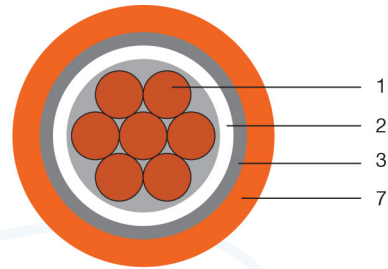
Smoke Emission Test

Standard	Test Method
IEC 61034-2	Smoke Emission Test

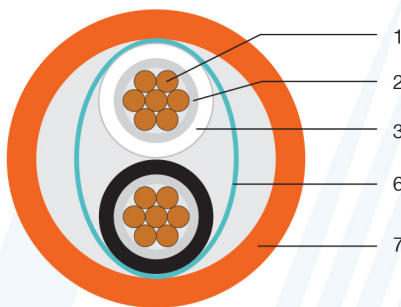
CONSTRUCTION OF FIRE RESISTANT CABLE



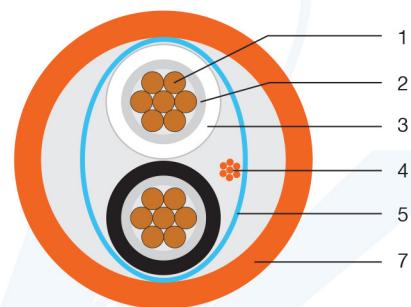
Insulated, Non Sheathed



Insulated, Sheathed

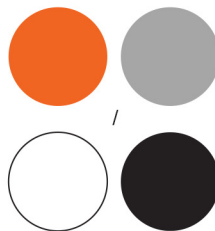


FRC 1 Pair Cable, Unshielded



FRC 1 Pair Cable, Shielded

	1	2	3	4	5	6	7
Construction	Conductor	Fire Barrier	Insulation	Drain wire	Shielded	Wrapping Tape	Sheathed
Material	Annealed Stranded Bare Copper (Class 2)	Double Mica Glass tape	Cross-Linked Polyethylene (XLPE)	Tinned annealed copper wire	AL/Mylar Tape	Isolation Tape	LSZH





Applications Support

LINK Fire Resistant Cable is designed for fire alarm systems and industrial management systems, complying with BS6387 Cat CWZ. It features XLPE insulation for high operating temperatures, thermal short circuit rating, and durability.

Cable Construction

Conductor : Annealed Stranded Bare Copper (Class 2)
Fire Barrier : Double Mica Glass Tape
Insulation : Cross-Linked Polyethylene (XLPE)

Technical Standards

- IEC 60502-1, BS 7211
- IEC 60228 Class 2
- IEC 60331, SS299 Cat CWZ, BS6387 Cat CWZ
- IEC 60332-1, IEC 60332-3
- IEC 61034-2
- IEC 60754-1, IEC 60754-2
- RoHS Compliant

Color



Insulation

Bending Radius

Minimum Bending Radius
6x Overall diameter

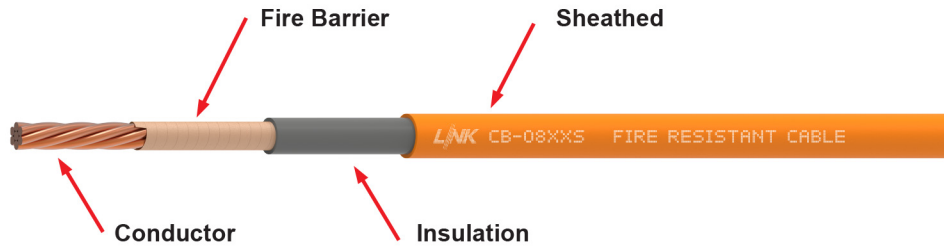
Temperature

Operating : -15°C to 110°C
Installation : -0°C to 50°C
Short Circuit : 250 °C

Technical Specification

Part Number	No. of Cond.	Conductor Diameter (mm ²)	Insulation Thickness (mm)	Insulation Diameter (mm)	Conductor Resistance (Ω/km)	Length
CB-0801	1	1.5	0.70 ±0.05	3.80 ±0.05	≤ 12.10	500/100m
CB-0802	1	2.5	0.80 ±0.05	4.40±0.05	≤ 7.41	500/100m
CB-0804	1	4.0	0.80±0.05	5.00 ±0.05	≤ 4.61	500/100m
CB-0806	1	6.0	0.80 ±0.05	5.50 ±0.05	≤ 3.08	500/100m

FIRE RESISTANT, INSULATED, Sheathed, 1 Core Cable, 600/1000V



Applications Support

LINK Fire Resistant Cable, designed to be suitable for fire alarm building and industrial management systems comply to BS6387 Cat CWZ. XLPE Insulation for high operation temperatures, thermal short circuit rating and durability. The outer sheathed material made from LSZH compound reduces the amount of toxic smoke and corrosive gas emitted during burning, for users' safety and increases the safety of firefighting operations.

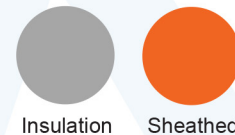
Technical Standards

- IEC 60502-1, BS 7211
- IEC 60228 Class 2
- IEC 60331, SS299 Cat CWZ, BS6387 Cat CWZ
- IEC 60332-1, IEC 60332-3
- IEC 61034-2
- IEC 60754-1, IEC 60754-2
- RoHS Compliant

Cable Construction

- Conductor** : Annealed Stranded Bare Copper (Class 2)
Fire Barrier : Double Mica Glass Tape
Insulation : Cross-Linked Polyethylene (XLPE)
Sheathed : Low Smoke Zero Halogen (LSZH)

Color



Bending Radius

Minimum Bending Radius
6x Overall diameter

Temperature

Operating	Installation	Short Circuit
-15°C to 110°C	-0°C to 50°C	250 °C

Technical Specification

Part Number	No. of Cond.	Conductor Diameter (mm ²)	Insulation Thickness (mm)	Insulation Diameter (mm)	Sheathed Thickness (mm)	Sheathed Diameter (mm)	Conductor Resistance (Ω/km)	Length
CB-0801S	1	1.5	0.7 ±0.05	3.80 ±0.05	1.40 ±0.05	6.70 ±0.40	≤ 12.10	500/100m
CB-0802S	1	2.5	0.7 ±0.05	4.25±0.05	1.40 ±0.05	7.10 ±0.40	≤ 7.41	500/100m
CB-0804S	1	4.0	0.7 ±0.05	4.80 ±0.05	1.40 ±0.05	7.70 ±0.40	≤ 4.61	500/100m
CB-0806S	1	6.0	0.7 ±0.05	5.40 ±0.05	1.40 ±0.05	8.20 ±0.40	≤ 3.08	500/100m

FIRE RESISTANT UNSHIELDED TWISTED PAIR CABLE (600/1000V)



Applications Support

LINK Fire Resistant Unshielded Twisted Pair Cable is designed to maintain circuit integrity during fire conditions and complies with BS 6387 Category CWZ, ensuring resistance to fire alone, fire with water, and fire with mechanical shock. It is suitable for use in fire alarm systems, smoke detectors, alarm bells, exit and emergency lighting, central fire control systems, control circuits, and security applications

Technical Standards

- IEC 60502-1, IEC 60228 Class 2
- BS EN 50288-7, BS 6360 Class 2
- IEC 60331-21, BS6387 Category CWZ
- IEC 60332-3-22
- IEC 60754-1, IEC 60754-2
- IEC 61034-2
- RoHS compliant

Cable Construction

Conductor	: Annealed Stranded Bare Copper (Class 2)
Fire Barrier	: Double Mica Glass Tape
Insulation	: Cross-linked polyethylene (XLPE)
Wrapping Tape	: Isolation Tape
Sheathed	: Low Smoke Zero Halogen (LSZH)

Color



Bending Radius

Minimum Bending Radius
6x Overall diameter

Temperature

Operating	Installation	Short Circuit
-15°C to 110°C	-0°C to 50°C	250 °C

Technical Specification

Part Number	No. of Cond.	Conductor Diameter (mm ²)	Insulation Diameter (mm)	Sheathed Thickness (mm)	Cable Diameter (mm)	Conductor Resistance (Ω/km)	Length
CB-0021A	1	1.5	3.4 ±0.30	1.30 ±0.05	9.30 ±0.40	≤ 12.10	500/100m
CB-0025A	1	2.5	4.10±0.30	1.40 ±0.05	10.70 ±0.50	≤ 7.41	500/100m
CB-0040A	1	4.0	5.00±0.40	1.40 ±0.05	12.90 ±0.50	≤ 4.61	500/100m
CB-0060A	1	6.0	5.50±0.40	1.40 ±0.05	14.30 ±0.50	≤ 3.08	500/100m

FIRE RESISTANT SHIELDED TWISTED PAIR CABLE (300/500V)



Applications Support

LINK Fire Resistant Shielded Twisted Pair Cable, designed to be suitable for fire alarm building and industrial management systems comply to BS6387 Cat CWZ. ensuring resistance to fire alone, fire with water, and fire with mechanical shock. It is suitable for use in fire alarm systems, smoke detectors, alarm bells, exit and emergency lighting, central fire control systems, control circuits, and security applications

Technical Standards

- IEC 60502-1, IEC 60228 Class 2
- BS EN 50288-7, BS 6360 Class 2
- IEC 60331-21, BS 6387 Cat CWZ
- IEC 60332-3-22
- IEC 60754-1, IEC 60754-2
- IEC 61034-2
- RoHS compliant

Cable Construction

- Conductor** : Annealed Stranded Bare Copper (Class 2)
Fire Barrier : Double Mica Glass Tape
Insulation : Cross-linked polyethylene (XLPE)
Drain wire : Tinned annealed copper wire
Shielded : AL/Mylar
Sheathed : Low Smoke Zero Halogen (LSZH)

Color



Bending Radius

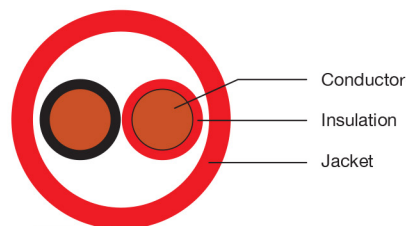
Minimum Bending Radius
6x Overall diameter

Temperature

Operating	Installation	Short Circuit
-15°C to 110°C	-0°C to 50°C	250 °C

Technical Specification

Part Number	No. of Cond.	Conductor Diameter (mm ²)	Insulation Diameter (mm)	Sheathed Thickness (mm)	Cable Diameter (mm)	Conductor Resistance (Ω/km)	Length
CB-0701	1	1.5	3.40 ±0.30	1.30 ±0.05	9.30 ±0.40	≤ 12.10	500/100m
CB-0702	1	2.5	4.10±0.30	1.40 ±0.05	10.70 ±0.50	≤ 7.41	500/100m
CB-0704	1	4.0	4.60±0.30	1.50 ±0.05	12.10 ±0.50	≤ 4.61	500/100m
CB-0706	1	6.0	5.20±0.30	1.60 ±0.05	13.50 ±0.50	≤ 3.08	500/100m



Applications Support

LINK unshielded fire alarm cable power limited fire alarm describes one pair (2 Cores). The maximum operating voltage is 300VAC/VDC, the flame retardant is in accordance with UL1685, UL1666.

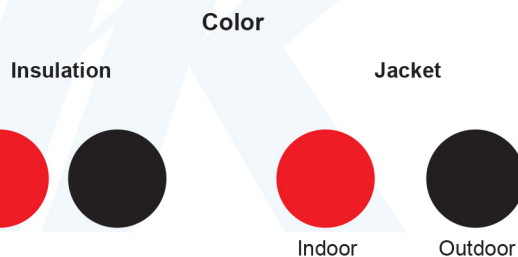
- Fire Alarm System
- Smoke Detector
- Critical Central Fire Systems
- Control Circuits
- Security system

Technical Standards

- ANSI/UL 1424, Cables for Power-Limited
- Fire-Alarm Circuits
- UL1685 Type FPL, UL1666 Type FPLR
- UL Listed File NO. E476400
- RoHS Compliant

Cable Construction

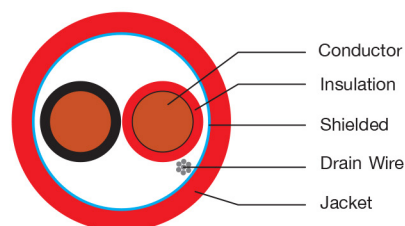
Conductor : Solid Bare Copper
Insulation : FR-PVC
Jacket : Lead free, FR PVC for Indoor
 PE for Outdoor



Technical Specification and Electrical Characteristic

Part Number	Cond. Dia. AWG	Insulation Dia. (±0.15mm)	Jacket		DCR Cond. (Ω/km)	Capacitance Cond to Cond (pF/m)	Max. Current @25°C	Voltage VAC/VDC	Flame Rating
			Thickness (mm)	Dia. (±0.3mm)					
CB-0118	18	1.90	0.9	5.8	≤ 22.5	60	5.3	300	FPL
CB-0116	16	2.10	0.9	6.0	≤ 14.0	71	11	300	FPL
CB-0114	14	2.83	1.0	7.7	≤ 8.7	69	18	300	FPL
CB-0112	12	3.20	1.1	8.6	≤ 5.5	65	21	300	FPL
CB-0118R	18	1.90	0.9	5.8	≤ 22.5	60	5.3	300	FPLR
CB-0116R	16	2.10	0.9	6.0	≤ 14.0	71	11	300	FPLR
CB-0114R	14	2.83	1.0	7.7	≤ 8.7	69	18	300	FPLR
CB-0112R	12	3.20	1.1	8.6	≤ 5.5	65	21	300	FPLR
CB-0118P	18	1.90	0.9	5.8	≤ 22.5	60	5.3	300	Outdoor
CB-0116P	16	2.10	0.9	6.0	≤ 14.0	71	11	300	Outdoor
CB-0114P	14	2.83	1.0	7.7	≤ 8.7	69	18	300	Outdoor
CB-0112P	12	3.20	1.1	8.6	≤ 5.5	65	21	300	Outdoor

FIRE ALARM, TWISTED PAIR, FOIL SHIELDED



Applications Support

LINK shielded fire alarm cable power limited fire alarm describes one pair (2 Cores). The maximum operating voltage is 300VAC/VDC, the flame retardant is in accordance with UL1685, UL1666.

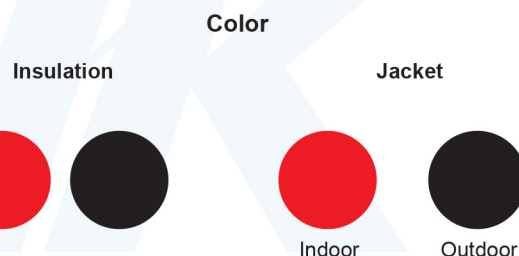
- Fire Alarm System
- Smoke Detector
- Critical Central Fire Systems
- Control Circuits
- Security system

Cable Construction

Conductor : Solid Bare Copper
Insulation : FR-PVC
Drain Wire : Stranded Tinned Copper, 22 AWG
Shielded : AL Foil, Thickness 115% Coverage
Jacket : Lead free, FR PVC for Indoor
 PE for Outdoor

Technical Standards

- ANSI/UL 1424, Cables for Power-Limited
- Fire-Alarm Circuits
- UL1685 Type FPL, UL1666 Type FPLR
- UL Listed File NO. E476400
- RoHS Compliant



Voltage : 300 VAC/VDC
DCR Shielded : 52.7 Ω/km

Technical Specification and Electrical Characteristic

Part Number	Cond. Dia. AWG	Insulation Dia. (±0.15mm)	Jacket		DCR Cond. (Ω/km)	Capacitance Cond to Cond (pF/m)	Capacitance Cond to Rest (pF/m)	Max. Current @25°C	Flame Rating
			Thickness (mm)	Dia. (±0.3mm)					
CB-0218	18	1.90	0.9	5.9	≤ 22.5	160	297	5.3	FPL
CB-0216	16	2.10	0.9	6.1	≤ 14.0	189	350	11	FPL
CB-0214	14	2.83	1.0	7.8	≤ 8.7	160	340	18	FPL
CB-0212	12	3.20	1.1	8.7	≤ 5.5	216	424	21	FPL
CB-0218R	18	1.90	0.9	5.9	≤ 22.5	160	297	5.3	FPLR
CB-0216R	16	2.10	0.9	6.1	≤ 14.0	189	350	11	FPLR
CB-0214R	14	2.83	1.0	7.8	≤ 8.7	160	340	18	FPLR
CB-0212R	12	3.20	1.1	8.7	≤ 5.5	216	424	21	FPLR
CB-0218P	18	1.90	0.9	5.9	≤ 22.5	160	297	5.3	Outdoor
CB-0216P	16	2.10	0.9	6.1	≤ 14.0	189	350	11	Outdoor
CB-0214P	14	2.83	1.0	7.8	≤ 8.7	160	340	18	Outdoor
CB-0212P	12	3.20	1.1	8.7	≤ 5.5	216	424	21	Outdoor

LiVCY CONTROL CABLE can be used as data transmission and control cables in electronics of computer systems, electronic control equipment, machine work, measuring instruments, assembly lines, etc. Suitable for the place of high electrical interference

Applications Support

- Remote control of automatic electrical equipment conditioning
- Industrial Machine Control
- Control Circuits, Security System, Process Control
- Building Automation System (BAS), Access Control
- RS-232, SCADA and DCS
- Internal wiring or external interconnection of electronic equipment
- Surveillance

Technical Standard

- VDE 0812
- IEC 60332-1-2
- RoHS Compliant

Cable Construction

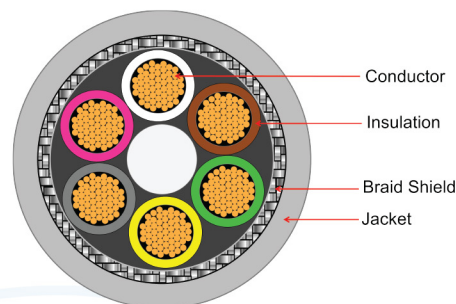
Conductor	Material	Ultra-fine stranded bare copper acc. IEC 60228 Class 5 / VDE 0295 Class 5
Insulation	Material	Special PVC
	Color	Acc. To DIN 47100
Filler	Material	Cotton rope
Wrapping Tape		Mylar
Shielded	Material	Tinned Copper Braiding
	Coverage	≥ 85%
Jacket Material	Material	Special FR-PVC
	Color	Gray (RAL 7001)
Flame Rating		IEC 60332-1-2

Electrical Characteristic

Peak Operation Voltage	500V
Insulation Resistance	≥ 10 MΩ
Test Voltage (AC)	1200 V/min No breakdown

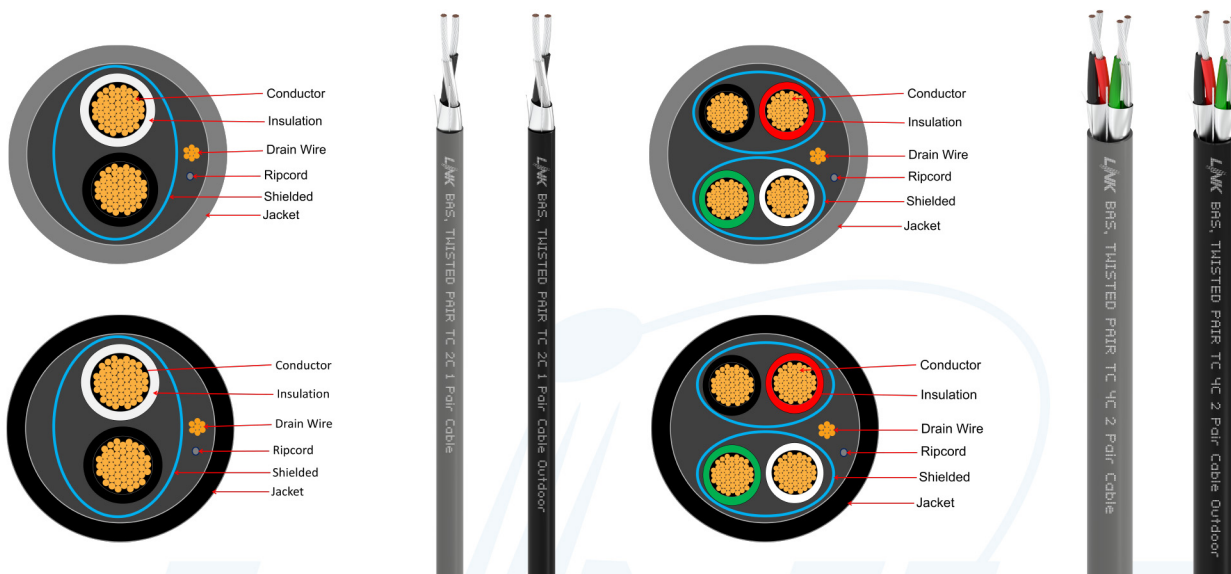
Physical Properties

Operating Temperature Range	-40°C to 80°C
Storage Temperature Range	-5°C to 50°C
Min. Bend Radius (Install)	6 x OD



Technical Specification

Part Number	Conductor		Insulation Diameter (mm)	Jacket Thickness (mm)	Cable Diameter (mm)	Conductor Resistance @ 20°C (Ω/km)
	No. of Core	Size (mm ²)				
CB-3020	2	0.25	1.30±0.15	0.70±0.15	4.30±0.30	79.9
CB-3021	2	0.34	1.45±0.15	0.70±0.15	4.70±0.30	57.5
CB-3022	2	0.5	1.75±0.15	0.70±0.15	5.20±0.30	39.0
CB-3023	2	0.75	1.95±0.15	0.70±0.20	5.80±0.40	26.0
CB-3024	2	1.0	2.10±0.20	0.80±0.20	6.10±0.40	19.5
CB-3025	2	1.5	2.35±0.20	0.90±0.20	6.90±0.40	13.3
CB-3030	3	0.25	1.30±0.15	0.70±0.15	4.50±0.30	79.9
CB-3031	3	0.34	1.45±0.15	0.70±0.15	4.90±0.30	57.5
CB-3032	3	0.5	1.75±0.15	0.80±0.15	5.70±0.30	38.9
CB-3033	3	0.75	1.95±0.15	0.80±0.20	6.10±0.40	26.0
CB-3034	3	1.0	2.10±0.20	0.75±0.20	6.40±0.40	19.5
CB-3035	3	1.5	2.35±0.20	0.90±0.20	7.30±0.40	13.3
CB-3040	4	0.25	1.30±0.15	0.65±0.15	4.80±0.30	79.9
CB-3041	4	0.34	1.45±0.15	0.80±0.15	5.50±0.30	57.5
CB-3042	4	0.5	1.75±0.15	0.70±0.20	6.10±0.40	39.0
CB-3043	4	0.75	1.95±0.15	0.80±0.20	6.80±0.40	26.0
CB-3044	4	1.0	2.10±0.20	0.85±0.20	7.20±0.40	19.5
CB-3045	4	1.5	2.35±0.20	0.90±0.20	7.90±0.40	13.3
CB-3060	6	0.25	1.30±0.15	0.75±0.15	5.80±0.30	79.9
CB-3061	6	0.34	1.45±0.15	0.85±0.20	6.40±0.40	57.5
CB-3062	6	0.5	1.75±0.15	0.80±0.20	7.40±0.40	39.0
CB-3063	6	0.75	1.95±0.15	0.80±0.20	8.00±0.40	26.0
CB-3064	6	1.0	2.10±0.20	0.85±0.20	8.40±0.40	19.5
CB-3065	6	1.5	2.35±0.20	0.90±0.20	9.30±0.40	13.3
CB-3080	8	0.25	1.30±0.15	0.75±0.15	6.20±0.40	79.9
CB-3081	8	0.34	1.45±0.15	0.95±0.20	7.10±0.40	57.5
CB-3082	8	0.5	1.75±0.15	0.80±0.20	7.90±0.40	39.0
CB-3083	8	0.75	1.95±0.15	0.80±0.20	8.50±0.40	26.0
CB-3084	8	1.0	2.10±0.20	0.90±0.20	9.10±0.40	19.5
CB-3085	8	1.5	2.35±0.20	1.20±0.25	10.60±0.50	13.3



Applications Support

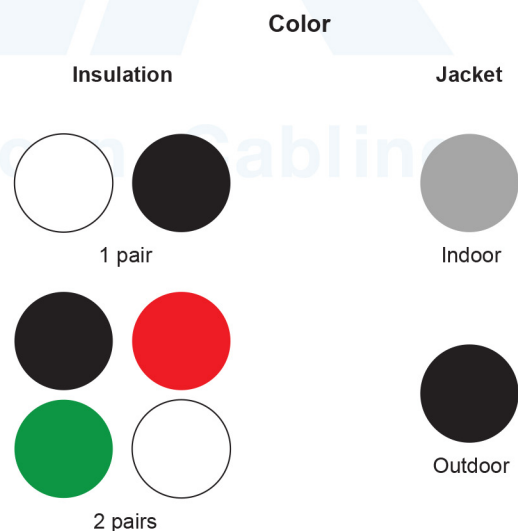
- LINK BAS shielded twisted pairs cable describes one pair and two pairs. The maximum operating voltage is 300VAC/VDC, and the flame retardant is in accordance with UL444.
- Remote control of automatic electrical equipment conditioning
 - Industrial Machine Control
 - Control Circuits, Security System, Process Control
 - Building Automation System (BAS), Access Control
 - RS-485, RS-232, SCADA and DCS
 - Internal wiring or external interconnection of electronic equipment
 - Surveillance

Cable Construction

- Conductor** : Stranded Tinned Copper wire
Insulation : HDPE, Black, Red, Green and White
Drain Wire : Stranded Tinned Copper
Shielded : Aluminum Polyester Tape, individually shielded pairs with a spiral wrap 120% coverage
Ripcord : Yes
Jacket : Lead Free, FR-PVC, Gray, CM rate for Indoor UV-Proof PE, Black for Outdoor

Technical Standards

- UL2464, Multiple-conductor cable using non-integral jacket
- UL444
- RoHS Compliant



Technical Specification

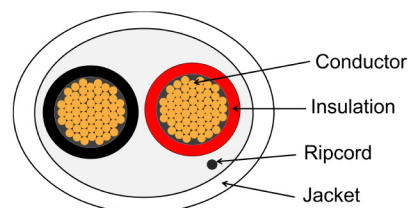
Part Number	No. of Pairs	AWG	Insulation	Jacket		DCR Conductor (Ohm/km)	Min. Insulation Resistance (MΩ.km)	Dielectric Strength between Pairs (kV/min)	Voltage (VAC/ VDC)
			Diameter (±0.05mm)	Thickness (±0.05mm)	Diameter (±0.3mm)				
CB-0324AA	1	24	1.16	0.70	3.80	≤ 94.4	50	1.5	300
CB-0322AA	1	22	1.16	0.70	3.80	≤ 57.4	50	1.5	300
CB-0320AA	1	20	1.80	0.72	5.20	≤ 35.8	50	1.5	300
CB-0318AA	1	18	1.70	0.70	4.80	≤ 22.7	50	1.5	300
CB-0316AA	1	16	2.30	0.70	6.00	≤ 15.0	50	1.5	300
CB-0314AA	1	14	3.40	0.70	8.70	≤ 8.96	50	1.5	300
CB-0318AAP	1	18	1.70	0.70	4.80	≤ 22.7	50	1.5	300
CB-0422AA	2	22	1.16	0.70	4.50	≤ 94.4	50	1.5	300
CB-0420AA	2	20	1.80	0.70	5.80	≤ 57.4	50	1.5	300
CB-0418AA	2	18	1.70	0.70	5.70	≤ 35.8	50	1.5	300
CB-0416AA	2	16	3.10	0.80	9.10	≤ 22.7	50	1.5	300
CB-0414AA	2	14	3.40	0.75	9.30	≤ 15.0	50	1.5	300
CB-0418AAP	2	18	1.70	0.70	5.70	≤ 8.96	50	1.5	300

Physical Properties

Operating Temperature Range	-40°C to 80°C
Min. Bend Radius (Installation)	8 x OD



LINK SPEAKER TWISTED PAIR CABLE 1 PAIR



Applications Support

LINK speaker twisted pair cable is a high efficiency cable for audio/sound system and suitable for public address system or control, instrumentation & led lighting cable. The specification covers the general requirements for indoor installation

- Multi-Conductor-audio/sound
- Control & Instrumentation Cable
- Public Address (PA)

Technical Standards

- UL13
- UL444
- UL CL2/CL3, C(UL) CM
- RoHS Compliant

Cable Construction

Conductor : Stranded Oxygen Free Copper (OFC)
Insulation : PVC, Black and Red
Ripcord : Yes
Jacket : FR-PVC, White for Indoor
 PE, Black for Outdoor

Color



Technical Specification

Part Number	Conductor			Insulation	Jacket	Cable Diameter (mm)
	No. of Pair	Size (AWG)	Wire No./ Wire Dia. (mm)	Diameter (mm)	Thickness (mm)	
CB-0518W	1	18	16/0.25	1.8±0.05	0.58 ±0.05	3.2±0.3 x 4.8±0.3
CB-0516W	1	16	65/0.16	2.2±0.05	0.63 ±0.05	3.6±0.3 x 5.6±0.3
CB-0514W	1	14	105/0.16	2.8±0.05	0.7 ±0.05	4.4±0.3 x 7.0±0.3
CB-0512W	1	12	65/0.25	3.2±0.05	0.8 ±0.05	5.4±0.3 x 8.2±0.3

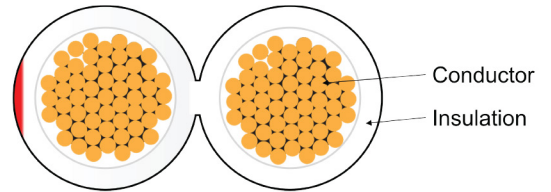
Electrical Characteristic

Rating Temp. & Voltage		75°C 300V @20°C
Max. Conductor DCR @20°C (Ω/km)	18 AWG	≤ 22.7
	16 AWG	≤ 14.3
	14 AWG	≤ 8.96
	12AWG	≤ 5.51
Min. Insulation Resistance @20°C		≥ 200 MΩ /km
Dielectric Strength		AC 1.5 KV for 2 s
Spark Test		DC 2.5 KV

Physical Properties

Min. Bending Radius	6 X OD
Operating Temperature Range	0°C to +75°C
Installation Temperature Range	0°C to +60°C
Storage & Shipping Temperature Range	-20°C to +75°C

FLAT SPEAKER CABLE, Transparent



Applications Support

LINK flat speaker cable is a high efficiency cable for audio/sound system and suitable for public address system, Digital audio, Hi-Fi and stereo speaker wire, jukeboxes and home theater. The specification covers the general requirements for indoor installation

- Digital audio
- Hi-Fi and stereo speaker wire
- Jukeboxes
- Home theater

Technical Standards

- RoHS Compliant

Cable Construction

Conductor : Stranded Annealed Bare Copper
Insulation : Transparent PVC

Technical Specification

Part Number	Conductor			Insulation Thickness (mm)	Cable Diameter (mm)
	No. of core	Size (mm ²)	Wire No./ Wire Dia. (mm)		
CB-0501	2	1.5	7*27/0.10	0.8±0.05	3.5±0.3 x 7.0±0.3
CB-0502	2	2.5	7*45/0.10	1.0±0.05	4.5±0.3 x 9.0±0.3

Electrical Characteristic

Rate Voltage		300V
Max. Conductor DCR @ 20°C (Ω/km)	Cond. Size 1.5 mm ²	≤ 12.6
	Cond. Size 2.5 mm ²	≤ 7.6
Min. Insulation Resistance		≥ 50 M Ω /km
Dielectric Strength		1500 KV AC for 2 s
Spark Test		2000VDC

Physical Properties

Min. Bending Radius	8 x O.D.
Operating Temperature Range	0°C to +75°C
Installation Temperature Range	0°C to +60°C



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