

System



CB-0422A

CB-0418A

CB-0416A

CB-0414A

CB-0418AP

LINK AMERICAN STANDARD



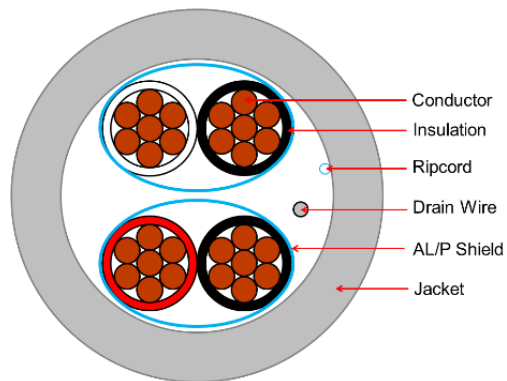
# LINK BAS (Building Automation System)

## Twisted Pair Shield Cable, 2 pairs

### Scope of Applications

LINK BAS, twisted pairs cable describes two pairs (4 Cores). The maximum operating voltage is 300VAC/VDC, the flame retardant is in accordance with UL444.

### Drawing



### Technical Standards

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

### 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-485, RS-232, SCADA, DCS and TCP/IP
- Internal wiring or external interconnection of electronic equipment
- Surveillance





## Cable Construction

<b>Conductor</b>	<b>Material</b>	Stranded Tinned Copper wire
<b>Insulation</b>	<b>Material</b>	HDPE, Black, Red and White Color
<b>Drain Wire</b>	<b>Material</b>	Stranded Tinned Copper, 7x0.20 mm (no. of wire x diameter)
<b>Shielded</b>	<b>Material</b>	Aluminum Polyester Tape, individually pair shielded
<b>Ripcord</b>		Yes
<b>Jacket (indoor)</b>	<b>Material</b>	Lead Free, FR-PVC, Gray (RAL 7001)
	<b>Flame Rating</b>	CM
<b>Jacket (Outdoor)</b>	<b>Material</b>	UV-Proof PE, Black

## TECHINCAL SPECIFICATION

Part Number	No. of Pairs	AWG	Insulation		Jacket	
			Thickness (mm)	Diameter (mm)	Thickness (mm)	Diameter (mm)
CB-0422A	2	22	0.25 ±0.05	1.30 ±0.05	0.60 ±0.05	4.8 ±0.3
CB-0418A	2	18	0.40 ±0.05	2.00 ±0.05	0.80 ±0.05	7.0 ±0.3
CB-0416A	2	16	0.40 ±0.05	2.30 ±0.05	0.80 ±0.05	7.8 ±0.3
CB-0414A	2	14	0.60 ±0.05	3.00 ±0.05	0.90 ±0.05	9.8 ±0.3
CB-0418AP	2	18	0.40 ±0.05	2.00 ±0.05	0.80 ±0.05	7.0 ±0.3

## ELECTRICAL CHARACTERISTIC

Part Number	No. of Pairs	DCR Conductor (Ohm/km)	DCR Shielded (Ohm/km)	Capacitance Cond. to Cond. (pF/m)	Capacitance Cond. to Shield (pF/m)	Voltage (VAC/VDC)
CB-0422A	2	≤ 52.0	54.0	100	185	300
CB-0418A	2	≤ 22.0	46.0	130	237	300
CB-0416A	2	≤ 13.7	16.9	63	121	300
CB-0414A	2	≤ 9.5	18.0	78	154	300
CB-0418AP	2	≤ 22.0	46.0	130	237	300

## Physical Properties

<b>Tensile Strength</b>	≥ 13.8 Mpa
<b>Max. Recommended Pulling Tension</b>	460N
<b>Aged Tensile Strength</b>	≥ 85%
<b>Unaged Elongation</b>	≥ 100%
<b>Aged Elongation</b>	≥ 50%
<b>Cold Bend (-20°C x 4 hours)</b>	No Crack
<b>Operating Temperature Range</b>	-10°C to 60°C
<b>Min. Bend Radius (Install)</b>	8 x OD



## Order Information

Part number	Description	Color	Length	Package
CB-0422A	LINK BAS Twisted Pair Shield 4x22 AWG, 2 Pair	Gray	500 m	Roll
CB-0418A	LINK BAS Twisted Pair Shield 4x18 AWG, 2 Pair	Gray	500 m	Roll
CB-0416A	LINK BAS Twisted Pair Shield 4x16 AWG, 2 Pair	Gray	500 m	Roll
CB-0414A	LINK BAS Twisted Pair Shield 4x14 AWG, 2 Pair	Gray	500 m	Roll
CB-0418AP	LINK BAS Twisted Pair Shield 4x18 AWG, 2 Pair, Outdoor	Black	500 m	Roll