



- CB-0322AA
- CB-0320AA
- CB-0318AA
- CB-0316AA
- CB-0314AA
- CB-0318AAP
- CB-0318AA-1
- CB-0318AAP-1

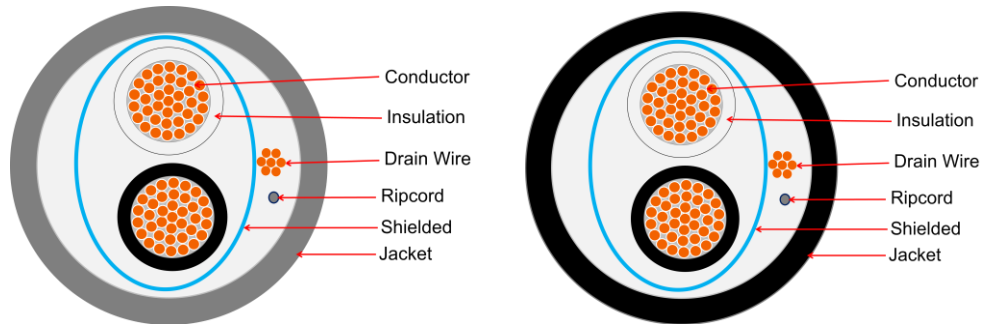
LINK AMERICAN CABLING

# BAS SHIELDED TWISTED PAIR, TC, 1 Pair Cable

## Scope of Applications

LINK BAS, shielded twisted pairs cable describes one pair (2 Cores) The maximum operating voltage is 300VAC/VDC, and 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
<b>Insulation</b>	<b>Material</b>	HDPE, Black and Claer
<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 shielded pairs with a spiral wrap 120% coverage
<b>Ripcord</b>		Yes
<b>Jacket (indoor)</b>	<b>Material</b>	Lead-Free, FR-PVC, Gray
	<b>Flame Rating</b>	CM
<b>Jacket (Outdoor)</b>	<b>Material</b>	UV-Proof PE, Black

## Technical Specification

Part Number	No. of Pairs	AWG	Insulation	Jacket	
			Diameter (mm)	Thickness (mm)	Diameter (mm)
CB-0322AA	1	22	1.16 ±0.05	0.70 ±0.05	3.8 ±0.3
CB-0320AA	1	20	1.80 ±0.05	0.72 ±0.05	5.2 ±0.3
CB-0318AA	1	18	1.70 ±0.15	0.70 ±0.05	4.8 ±0.3
CB-0316AA	1	16	2.30 ±0.05	0.70 ±0.05	6.0 ±0.3
CB-0314AA	1	14	3.40 ±0.05	0.70 ±0.05	8.70 ±0.3
CB-0318AAP	1	18	1.70 ±0.15	0.70 ±0.05	4.8 ±0.3

## Electrical Characteristics

Part Number	DCR Conductor (Ohm/km)	Min. Insulation Resistance (MΩ.km)	Dielectric Strength between Pairs (kV/min)	Voltage (VAC/VDC)
CB-0322AA	≤ 57.4	50	1.5	300
CB-0320AA	≤ 35.8	50	1.5	300
CB-0318AA	≤ 22.7	50	1.5	300
CB-0316AA	≤ 15.0	50	1.5	300
CB-0314AA	≤ 8.96	50	1.5	300
CB-0318AAP	≤ 22.7	50	1.5	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>	-40°C to 80°C
<b>Min. Bend Radius (Install)</b>	8 x OD



## Order Information

Part number	Description	Color	Length	Package
CB-0322AA	BAS, SHIELDED TWISTED PAIR TC 2C 22 AWG, 1 Pair Cable	Gray	500 m	Roll
CB-0320AA	BAS, SHIELDED TWISTED PAIR TC 2C 20 AWG, 1 Pair Cable	Gray	500 m	Roll
CB-0318AA	BAS, SHIELDED TWISTED PAIR TC 2C 18 AWG, 1 Pair Cable	Gray	500 m	Roll
CB-0318AA-1	BAS, SHIELDED TWISTED PAIR TC 2C 18 AWG, 1 Pair Cable	Gray	100 m	Roll
CB-0316AA	BAS, SHIELDED TWISTED PAIR TC 2C 16 AWG, 1 Pair Cable	Gray	500 m	Roll
CB-0314AA	BAS, SHIELDED TWISTED PAIR TC 2C 14 AWG, 1 Pair Cable	Gray	500 m	Roll
CB-0318AAP	BAS, SHIELDED TWISTED PAIR TC 2C 14 AWG, 1 Pair, OUTDOOR Cable	Black	500 m	Roll
CB-0318AAP-1	BAS, SHIELDED TWISTED PAIR TC 2 C 18 AWG, 1 Pair, OUTDOOR Cable	Black	100 m	Roll

Specifications subject to change without notice.

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