

System



- CB-0422AA
- CB-0420AA
- CB-0418AA
- CB-0416AA
- CB-0414AA
- CB-0418AAP

LINK AMERICAN CABLING

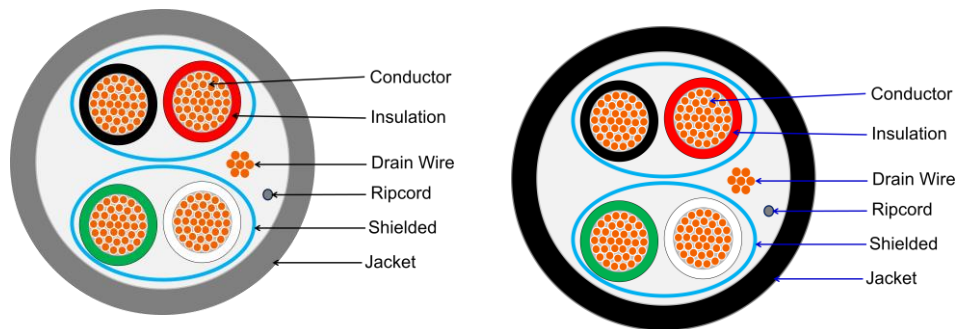


BAS, SHIELDED TWISTED PAIR, TC, 2 Pair Cable

Scope of Applications

LINK BAS, shielded 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

Conductor	Material	Stranded Tinned Copper wire
Insulation	Material	HDPE, Black, Red, Green and White
Drain Wire	Material	Stranded Tinned Copper, 7x0.20 mm (no. of wire x diameter)
Shielded	Material	Aluminum Polyester Tape, individually shielded pairs with a spiral wrap 120% coverage
Ripcord		Yes
Jacket (indoor)	Material	Lead Free, FR-PVC, Gray
	Flame Rating	CM
Jacket (Outdoor)	Material	UV-Proof PE, Black

Technical Specification

Part Number	No. of Pairs	AWG	insulation Diameter (mm)	Jacket	
				Thickness (mm)	Diameter (mm)
CB-0422AA	2	22	1.16±0.05	0.70 ±0.05	4.10 ±0.3
CB-0420AA	2	20	1.80±0.05	0.70 ±0.05	5.80 ±0.3
CB-0418AA	2	18	1.70±0.05	0.70±0.05	5.70±0.3
CB-0416AA	2	16	3.10±0.05	0.80±0.05	9.10±0.3
CB-0414AA	2	14	3.40±0.05	0.75±0.05	9.30±0.3
CB-0418AAP	2	18	1.70±0.05	0.70±0.05	5.70±0.3

Electrical Characteristic

Part Number	DCR Conductor (Ω/km)	Min. Insulation Resistance MΩ.km	Dielectric Strength between Pairs (kV/min)	Voltage (VAC/VDC)
CB-0422AA	≤ 57.4	50	1.5	300
CB-0420AA	≤ 35.8	50	1.5	300
CB-0418AA	≤ 22.7	50	1.5	300
CB-0416AA	≤ 14.3	50	1.5	300
CB-0414AA	≤ 9.0	50	1.5	300
CB-0418AAP	≤ 22.7	50	1.5	300

Physical Properties

Tensile Strength	≥ 13.8 Mpa
Max. Recommended Pulling Tension	460N
Aged Tensile Strength	≥ 85%
Unaged Elongation	≥ 100%
Aged Elongation	≥ 50%
Cold Bend (-20°C x 4 hours)	No Crack
Operating Temperature Range	-40°C to 80°C
Min. Bend Radius (Install)	8 x OD



Order Information

Part number	Description	Color	Length	Package
CB-0422AA	BAS, SHIELDED TWISTED PAIR TC 4C 22 AWG, 2 Pair Cable	Gray	500 m	Roll
CB-0420AA	BAS, SHIELDED TWISTED PAIR TC 4C 20 AWG, 2 Pair Cable	Gray	500 m	Roll
CB-0418AA	BAS, SHIELDED TWISTED PAIR TC 4C 18 AWG, 2 Pair Cable	Gray	500 m	Roll
CB-0416AA	BAS, SHIELDED TWISTED PAIR TC 4C 16 AWG, 2 Pair Cable	Gray	500 m	Roll
CB-0414AA	BAS, SHIELDED TWISTED PAIR TC 4C 14 AWG, 2 Pair Cable	Gray	500 m	Roll
CB-0418AAP	BAS, SHIELDED TWISTED PAIR Foil SHIELD 4 X 18 AWG, 2 P, OUTDOOR Cable	Black	500 m	Roll