Cover Page

Best-Tronics Mfg., Inc. Specification

CA-0510	A	1	4
Part Number	Revision	Page	of

16 PAIR 32 CONDUCTOR 22 AWG (7/30) STRANDED TINNED COPPER INDIVIDUALLY SHIELDED FLEXIBLE LOW CAP CABLE (SNAKE CABLE)

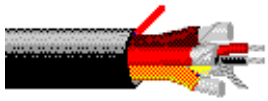
Description

Revision Level	DC Number	Description	Date	Approval
A	4987	INITIAL RELEASE	6/20/07	J.L.

Release Signatures

J. LUPA	6/20/07	R. ZOPPA	6/20/07
Drawn By	Date	Approved By	Date

1222B Paired - Flexible, Low-Capacitance Cable



For more information please call
1-800-Belden1

See Put-ups and Colors

Related Documents : No. 7 for Snake Cables.pdf

Description:

22 AWG stranded (7x30) TC conductor, Datalene® insulation, individually shielded with Beldfoil® (100% coverage), numbered/color-coded PVC jackets, pair jackets and shields bonded so both strip simultaneously with automatic stripping equipment.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	16
Total Number of Conductors	32
AWG	22
Stranding	7x30
Conductor Diameter	.030 in.
Conductor Material	TC - Tinned Copper

INSULATION:

Insulation Material Trade Name	Datalene®
Insulation Material	FHDPE - Foam High Density Polyethylene
Nom. Insulation Wall Thickness	.015 in.
Insulation Diameter	.060 in.
Lay Length	1.75 in.
Twists/ft.	6.85
Pair Color Code Chart	Red & Black

INNER SHIELD:

Inner Shield Material Trade Name	Beldfoil®
Inner Shield Type	Tape
Inner Shield Material	Aluminum Foil-Polyester Tape
Inner Shield % Coverage	100 %
Inner Shield Drain Wire AWG	22
Inner Shield Drain Wire Stranding	7x30
Inner Shield Drain Wire Conductor Material	TC - Tinned Copper

INNER JACKET:

1222B Paired - Flexible, Low-Capacitance Cable

Inner Jacket Material	PVC - Polyvinyl Chloride
Inner Jacket Nominal Wall Thickness	.015 in.
Inner Jacket Diameter	.153 in.

Inner Jacket Color Code Chart :

Number	Color	Number	Color
1	Brown	9	White
2	Red	10	Black
3	Orange	11	Tan
4	Yellow	12	Pink
5	Green	13	Lt Gray/Brown
6	Blue	14	Lt Gray/Red
7	Purple	15	Lt Gray/Orange
8	Gray	16	Lt Gray/Yellow

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.080 in.
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.852 in.

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +60°C
Non-UL Temperature Rating	60°C
Bulk Cable Weight	330.2 lbs/1000 ft.
Max. Recommended Pulling Tension	437 lbs.
Min. Bend Radius (Install)	8.52 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004

PLENUM/NON-PLENUM:

Plenum (Y/N)	N

ELECTRICAL CHARACTERISTICS:

Nom. Inductance	.20 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	19 pF/ft
Nom. Cap. Cond. to Other Cond. & Shield @ 1 KHz	35 pF/ft
Nominal Velocity of Propagation	78 %
Nom. Conductor DC Resistance @ 20 Deg. C	15 Ohms/1000 ft

1222B Paired - Flexible, Low-Capacitance Cable

Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	10.6 Ohms/1000 ft
Max. Operating Voltage - Non-UL	150 V RMS, 300 V RMS
Max. Recommended Current	1.5 Amps per conductor @ 20°C

NOTES:

Notes	Datalene® insulation features include a low dielectric constant and a low dissipation factor for high-speed, low distortion data handling. Physical properties include good crush resistance and light weight. Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment.

PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1222B B591000	16 PR #22 FHDPE FS PVC PVC	1000	384	BLACK, MATTE	C
1222B B59500	16 PR #22 FHDPE FS PVC PVC	500	188	BLACK, MATTE	C

C = CRATE REEL PUT-UP.

Revision Number: 1 Revision Date: 08-11-2005