



1089A Paired - 600V Tray Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : ICEA Table E1.pdf</p>
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Description:

16 AWG pairs stranded (7x24) bare copper conductors, twisted pairs, PVC/Nylon insulation, overall Beldfoil shield (100% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	36
Total Number of Conductors	72
AWG	16
Stranding	7x24
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PVC/Nylon - Polyvinyl Chloride/Nylon
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Lay Length :

Lay Length (in.)	Direction	Twists/ft (twist/ft)
2.5		
2.75		

Pair Color Code Chart :

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Number	Color	Number	Color
1	Black & White and Numbered 1	19	Black & White and Numbered 19
2	Black & White and Numbered 2	20	Black & White and Numbered 20
3	Black & White and Numbered 3	21	Black & White and Numbered 21
4	Black & White and Numbered 4	22	Black & White and Numbered 22
5	Black & White and Numbered 5	23	Black & White and Numbered 23
6	Black & White and Numbered 6	24	Black & White and Numbered 24
7	Black & White and Numbered 7	25	Black & White and Numbered 25
8	Black & White and Numbered 8	26	Black & White and Numbered 26
9	Black & White and Numbered 9	27	Black & White and Numbered 27
10	Black & White and Numbered 10	28	Black & White and Numbered 28
11	Black & White and Numbered 11	29	Black & White and Numbered 29
12	Black & White and Numbered 12	30	Black & White and Numbered 30
13	Black & White and Numbered 13	31	Black & White and Numbered 31
14	Black & White and Numbered 14	32	Black & White and Numbered 32
15	Black & White and Numbered 15	33	Black & White and Numbered 33
16	Black & White and Numbered 16	34	Black & White and Numbered 34
17	Black & White and Numbered 17	35	Black & White and Numbered 35
18	Black & White and Numbered 18	36	Black & White and Numbered 36

OVERALL CABLING:

Overall Cabling Lay Length	15 in.
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OUTER SHIELD:

Outer Shield Material Trade Name	Beldfoil®
Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil-Polyester Tape
Outer Shield % Coverage	100 %

OUTER SHIELD DRAIN WIRE :

Outer Shield Drain Wire AWG	16
Outer Shield Drain Wire Stranding	7x24
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.085 in.
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	1.321 in.
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MECHANICAL CHARACTERISTICS:

Wet Temperature Range	-30°C To +75°C
Dry Temperature Range	-30°C To +90°C



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Bulk Cable Weight	1020 lbs/1000 ft.
Max. Recommended Pulling Tension	2606 lbs.
Min. Bend Radius (Install)	13.2 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	NPLF, TC, UL 1277
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
Other Specification	ICEA S-73-532, S-61-402

FLAME TEST:

UL Flame Test	UL1685 UL Loading
C(UL) Flame Test	FT4
IEEE Flame Test	1202
ICEA Flame Test	T-29-520

SUITABILITY:

Suitability - Burial	Yes
Sunlight Resistance	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Conductor DC Resistance @ 20 Deg. C	3.67 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	2.95 Ohms/1000 ft
Max. Operating Voltage - UL	600 V RMS (NEC Type TC), 150 V RMS (NPLF)

NOTES:

Notes	Alternate color coding available upon request.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1089A 0101250	16/36 PR VNTC OS 600V	1250	1388.75	BLACK	C Z

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Revision Number: 1 Revision Date: 12-14-2005

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