



**1048A Paired - 600V Tray Cable**

	<p><b>For more information please call</b> <b>1-800-Belden1</b></p> <p><b><u>See Put-ups and Colors</u></b></p> <p><b>Color Code Chart : ICEA Table E1.pdf</b></p>
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**Description:**

18 AWG pairs stranded (7x26) bare copper conductors, twisted pairs, PVC/Nylon insulation, individually shielded plus an overall Beldfoil shield (100% coverage), PVC jacket.

**PHYSICAL CHARACTERISTICS:**

**CONDUCTOR:**

Number of Pairs	2
Total Number of Conductors	4
AWG	18
Stranding	7x26
Conductor Material	BC - Bare Copper

**INSULATION:**

Insulation Material	PVC/Nylon - Polyvinyl Chloride/Nylon
Lay Length	2.5 in.
Twists/ft.	4.8

Pair Color Code Chart :

Number	Color	Number	Color
1	Black & White Numbered 1	2	Black & White Numbered 2

**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	20
Inner Shield Drain Wire Stranding	7x28
Inner Shield Drain Wire Conductor Material	TC - Tinned Copper

**OVERALL CABLING:**

Overall Cabling Lay Length	4.0 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	18
Outer Shield Drain Wire Stranding	7x26
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

**OUTER JACKET:**

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.048 in.
Outer Jacket Ripcord	Yes

**OVERALL NOMINAL DIAMETER:**

Overall Nominal Diameter	.381 in.
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**MECHANICAL CHARACTERISTICS:**

Wet Temperature Range	-30°C To +75°C
Dry Temperature Range	-30°C To +90°C
Bulk Cable Weight	77 lbs/1000 ft.
Max. Recommended Pulling Tension	140 lbs.
Min. Bend Radius (Install)	3.8 in.

**APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:**

**APPLICABLE STANDARDS:**

NEC/(UL) Specification	TC, NPLF, 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
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**1048A Paired - 600V Tray Cable**

Sunlight Resistance	Yes
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**PLENUM/NON-PLENUM:**

Plenum (Y/N)	N
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**ELECTRICAL CHARACTERISTICS:**

Nom. Capacitance Conductor to Conductor @ 1 KHz	38.8 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	5.86 Ohms/1000 ft
Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C	7.46 Ohms/1000 ft
Nominal Outer Shield DC Resistance @ 20 Deg. C	4.91 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
1048A 0107500	2 FS PR #18 PVC/NYL FS PVC	7500	622.5	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.

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