

3005A Paired - 300V Power-Limited Tray Cable

 	<p>For more information please call 1-800-Belden1</p> <p>Related Documents : ICEA Table E1.pdf</p>
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Description:

22 AWG pairs stranded (7x30) bare copper conductors, twisted pairs, PVC insulation, individually shielded plus an overall Beldfoil® shield (100% coverage), PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	4
Number of Conductors	1
Total Number of Conductors	9
AWG	22, 22

Multi-Pairs/Conductors :

Number of Pairs/Conductors	AWG	Stranding	Conductor Material	Conductor Diameter (in.)
4 Pairs	22	7x30	BC - Bare Copper	
1 Communication Wire	22	7x30	BC - Bare Copper	

Stranding	7x30
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PVC - Polyvinyl Chloride
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Pair Color Code Chart :

Number	Color	Number	Color
1	Black & White and Numbered 1	4	Black & White and Numbered 4
2	Black & White and Numbered 2	Communication Wire	Orange
3	Black & White and Numbered 3		

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

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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	22
Outer Shield Drain Wire Stranding	7x30
Outer Shield Drain Wire Conductor Material	TC - Tinned Copper

OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.043 in.
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.360 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +105°C
UL Temperature Rating	105°C
Bulk Cable Weight	65 lbs/1000 ft.
Max. Recommended Pulling Tension	115 lbs.
Min. Bend Radius (Install)	3.5 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	PLTC, ITC, CMG
CEC/C(UL) Specification	CMG
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

FLAME TEST:

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

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Suitability - Burial	Yes
Sunlight Resistance	Yes

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PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Inductance	.18 μ H/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	31 pF/ft
Nom. Conductor DC Resistance @ 20 Deg. C	15 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS (PLTC, CMG), 150 V RMS (ITC)
Max. Recommended Current	3.8 Amps per conductor @ 25°C

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