

1227A1 Paired - Category 3 Unbonded-Pair Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : No. 5 for Paired Cables (Western Electric Standard).pdf</p>
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Description:

24 AWG solid bare copper conductors, twisted pairs, non-plenum, Polypropylene insulation, see color code chart (below), Gray PVC jacket.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	2
Total Number of Conductors	4
AWG	24
Stranding	Solid
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	PP - Polypropylene
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Pair Color Code Chart :

Number	Color	Number	Color
1	White/Blue Stripe & Blue	2	White/Orange Stripe & Orange

OUTER SHIELD:

Outer Shield Material	Unshielded
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
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OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.173 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +80°C
UL Temperature Rating	75°C
Bulk Cable Weight	13 lbs/1000 ft.
Max. Recommended Pulling Tension	15 lbs.
Min. Bend Radius (Install)	0.8 in.

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APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMR, CMX OUTDOOR, UL444
CEC/C(UL) Specification	CMR, CMX OUTDOOR
IEEE Specification	802.3 10BaseT, 100BaseT4
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
TIA/EIA Specification	568-B.2 Category 3
Other Specification	NEMA WC-63 Category 3, UL verified to TIA/EIA-568-B.2, Category 3

FLAME TEST:

UL Flame Test	UL1666 Riser
CSA Flame Test	FT4

SUITABILITY:

Suitability - Indoor	Yes
Suitability - Outdoor	Yes
Sunlight Resistance	Yes

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
Plenum Number	1243A2

ELECTRICAL CHARACTERISTICS:

Nom. Mutual Capacitance @ 1 KHz	15 pF/ft
Maximum Capacitance Unbalance (pF/100 m)	330 pF/100 m
Nominal Velocity of Propagation	70 %
Nominal Delay	1.5 ns/ft
Nom. Conductor DC Resistance @ 20 Deg. C	28.0 Ohms/1000 ft
Maximum Conductor DC Resistance @ 20 Deg. C	9.38 Ohms/100 m
Maximum DCR Unbalance @ 20 Deg. C	5 %
Max. Operating Voltage - UL	300 V RMS

ELECTRICAL CHARACTERISTICS - PREMISE:

Premise Cable Electricals :

Frequency (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. Structural Return Loss (dB)	Fitted Impedance (Ohms)
1	2.56	41.0	No Spec	12.0	100 ± 15%
4	5.58	32.0	No Spec	12.0	100 ± 15%
8	8.50	27.0	No Spec	12.0	100 ± 15%
10	9.71	26.0	No Spec	12.0	100 ± 15%
16	13.10	23.0	No Spec	9.96	100 ± 15%

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NOTES:

Notes	Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 3
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1227A1 008U1000	2 PR #24 PP FRPVC	U1000	13	GRAY	
1227A1 Q5HU1000	2 PR #24 PP FRPVC	U1000	13	WHITE, NEUTRAL	

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