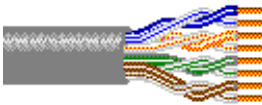


1232A1 Paired - DataTwist® 3 UTP Cables



For more information please
call
1-800-Belden1

[See Put-ups and Colors](#)

**Color Code Chart : No. 5 for
Paired Cables (Western
Electric Standard).pdf**

Description:

24 AWG solid bare copper conductors, twisted pairs, S-R PVC insulation, PVC jacket. Sequential marking at two foot intervals.

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Pairs	25
Total Number of Conductors	50
AWG	24
Stranding	Solid
Conductor Material	BC - Bare Copper

INSULATION:

Insulation Material	S-R PVC - Semi-Rigid Polyvinyl Chloride
Nom. Insulation Wall Thickness	.006 in.

INNER SHIELD:

Inner Shield Color Code Chart :

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Number	Color	Number	Color
1	White/Blue Stripe & Blue/White Stripe	14	Black/Brown Stripe & Brown/Black Stripe
2	White/Orange Stripe & Orange/White Stripe	15	Black/Gray Stripe & Gray/Black Stripe
3	White/Green Stripe & Green/White Stripe	16	Yellow/Blue Stripe & Blue/Yellow Stripe
4	White/Brown Stripe & Brown/White Stripe	17	Yellow/Orange Stripe & Orange/Yellow Stripe
5	White/Gray Stripe & Gray/White Stripe	18	Yellow/Green Stripe & Green/Yellow Stripe
6	Red/Blue Stripe & Blue/Red Stripe	19	Yellow/Brown Stripe & Brown/Yellow Stripe
7	Red/Orange Stripe & Orange/Red Stripe	20	Yellow/Gray Stripe & Gray/Yellow Stripe
8	Red/Green Stripe & Green/Red Stripe	21	Purple/Blue Stripe & Blue/Purple Stripe
9	Red/Brown Stripe & Brown/Red Stripe	22	Purple/Orange Stripe & Orange/Purple Stripe
10	Red/Gray Stripe & Gray/Red Stripe	23	Purple/Green Stripe & Green/Purple Stripe
11	Black/Blue Stripe & Blue/Black Stripe	24	Purple/Brown Stripe & Brown/Purple Stripe
12	Black/Orange Stripe & Orange/Black Stripe	25	Purple/Gray Stripe & Gray/Purple Stripe
13	Black/Green Stripe & Green/Black Stripe		

OUTER SHIELD:

Outer Shield Material	Unshielded
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Ripcord	No

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.399 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-20°C To +75°C
Bulk Cable Weight	97 lbs/1000 ft.
Max. Recommended Pulling Tension	155 lbs.
Min. Bend Radius (Install)	3.9 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	CMR, UL444
IEEE Specification	802.3 10BaseT, 100BaseT4
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

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FLAME TEST:

UL Flame Test	UL1666 Riser
CSA Flame Test	FT4

PLENUM/NON-PLENUM:

Plenum (Y/N)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Mutual Capacitance @ 1 KHz	15 pF/ft
Maximum Capacitance Unbalance (pF/100 m)	330 pF/100 m
Nominal Velocity of Propagation	61 %
Nominal Delay	1.5 ns/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	No Spec	41.0	12.0	100 ± 15%
4	5.58	No Spec	32.0	12.0	100 ± 15%
8	8.50	No Spec	27.0	12.0	100 ± 15%
10	9.71	No Spec	26.0	12.0	100 ± 15%
16	13.10	No Spec	23.0	9.96	100 ± 15%

NOTES:

Notes	NEXT is Power Sum tested.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1232A1 0081000	25 PR #24 PP PVC	1000	107	GRAY	C

C = CRATE REEL PUT-UP.

Revision Number: 3 Revision Date: 06-10-2004



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