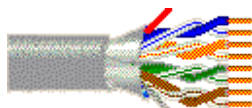


1633A Multi-Conductor - Category 5 Unbonded-Pair Cable



Description:

24 AWG solid bare copper conductors, non-plenum, Polyolefin insulation, twisted pairs, overall Beldfoil® Shield, drain wire, rip cord, see color code chart (below), PVC jacket (gray or blue).

Usage (Overall)

Suitable Applications: Premise Horizontal Cable

Physical Characteristics (Overall)

Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
4	24	Solid	BC - Bare Copper

Insulation

Insulation Material:

Insulation Material
PO - Polyolefin

Outer Shield

Outer Shield Material:

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

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
24	Solid	TC	Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Outer Jacket Ripcord: Yes

Overall Cabling

Overall Nominal Diameter: 0.260 in.

Pair

Pair Color Code Chart:

Number	Color
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

Bulk Cable Weight: 28 lbs/1000 ft.

Max. Recommended Pulling Tension: 25 lbs.

Min. Bend Radius (Install)/Minor Axis: 1 in.

1633A Multi-Conductor - Category 5 Unbonded-Pair Cable

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CM, UL444
CEC/C(UL) Specification:	CM
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	01/01/2004
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Telecommunications Standards:	568 TSB 36, Category 5
Other Specification:	UL verified to TSB 36, Category 5

Flame Test

UL Flame Test:	UL1685 UL Loading
CSA Flame Test:	FT1

Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Mutual Capacitance:

Capacitance (pF/ft)
15

Nominal Velocity of Propagation:

VP (%)
67

Maximum Capacitance Unbalance (pF/100 m): 330

Maximum Delay:

Delay (ns/100 m)
538 @ 100MHz

Max. Delay Skew:

Delay Skew (ns/100 m)
45

Maximum Conductor DC Resistance:

DCR @ 20°C (Ohm/100 m)
9.38

Max. Operating Voltage - UL:

Voltage
300 V RMS

Maximum DCR Unbalanced:

DCR Unbalance @ 20°C (%)
5

Electrical Characteristics-Premise (Overall)

Premise Cable Electricals:

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. SRL (dB)	Fitted Imp. (Ohms)
1	2.0	62.3	No Spec	No Spec	100 ± 15%

1633A Multi-Conductor - Category 5 Unbonded-Pair Cable

4	4.1	53.3	No Spec	No Spec	100 ± 15%
8	5.8	48.8	No Spec	No Spec	100 ± 15%
10	6.5	47.3	No Spec	No Spec	100 ± 15%
16	8.2	44.3	No Spec	No Spec	100 ± 15%
20	9.3	42.8	No Spec	No Spec	100 ± 15%
25	10.4	41.3	No Spec	No Spec	100 ± 15%
31.25	11.7	39.9	No Spec	No Spec	100 ± 15%
62.5	17.0	35.4	No Spec	No Spec	100 ± 15%
100	22.0	32.3	No Spec	No Spec	100 ± 15%

Notes (Overall)

Notes: Not compatible with RJ-11/12/45 telephone plugs. Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-TSB 36, Category 5.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1633A F2VU1000	1,000 FT	30.000 LB	GRAY, DEC	Z	4 TW PR FS PVC
1633A F2V1000	1,000 FT	32.000 LB	GRAY, DEC	C Z	4 TW PR FS PVC
1633A 006U1000	1,000 FT	30.000 LB	BLUE, LIGHT	Z	4 TW PR FS PVC
1633A 0061000	1,000 FT	32.000 LB	BLUE, LIGHT	C Z	4 TW PR FS PVC

Notes:

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.


DataTwist® 5 ScTP Cable

TIA/EIA-568-TSB 36, Category 5 Nonbonded-Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths		Standard Unit Wt.		Nominal OD		Max. DCR (Ω / 100m)	Max. DCR Unbal. (%)	Max. Cap. Unbal. (pF/ 100m)	Freq. (MHz)	Max. Atten. (dB/ 100m)	Min. NEXT (dB)	Input Imped. (Ω)	Min. RL (dB)
				Ft.	m	Lbs.	kg	Inch	mm								


24 AWG Solid Bare Copper Conductors • Twisted Pairs • Overall Beldfoil® Shield • Drain Wire • Rip Cord • See Color Code Chart (below)

Non-Plenum • Polyolefin Insulation • PVC Jacket (Available in Gray or Blue)

 <p>Rip Cord</p>	1633A NEC: CM CEC: CM	4	U-1000	U-304.8	30.0	13.6	.260	6.60	9.38	5.0	330	4	4.1	53.0	100±15	N/A			
			1000	304.8	32.0	14.5								10	6.5	47.0	100±15	N/A	
															16	8.2	44.0	100±15	N/A
															31.25	11.7	40.0	100±15	N/A
															62.5	17.0	35.0	100±15	N/A
															100	22.0	32.0	100±15	N/A

Not compatible with RJ-11/12/45 connectors.
 Jacket sequentially marked at 2 ft. intervals.
 Third party verified to TIA/EIA-568-TSB 36, Category 5

Non-Plenum • Dual • Polyolefin Insulation • Gray PVC Jacket with Polarity Rib

 <p>Rip Cord</p>	1668A NEC: CM CEC: CM	2x4	1000	304.8	70.0	31.8	.518	13.16	9.38	5.0	330	4	4.1	53.0	100±15	N/A			
			1640	500.0	109.9	49.9	x	x						10	6.5	47.0	100±15	N/A	
										.254	6.45				16	8.2	44.0	100±15	N/A
															31.25	11.7	40.0	100±15	N/A
															62.5	17.0	35.0	100±15	N/A
															100	22.0	32.0	100±15	N/A

Not compatible with RJ-11/12/45 connectors.
 Jacket sequentially marked at 2 ft. intervals.
 Third party verified to TIA/EIA-568-TSB 36, Category 5 (Leg 1 & 2). A polarity rib is applied to one leg.

DCR = DC Resistance • NEXT = Near-end Crosstalk • PSUM = Power Sum • RL = Return Loss • ScTP = Screened (Overall Foil) Twisted Pair(s)

Color Codes: DataTwist 5 ScTP

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown