

## 1583A CAT5E UTP 4Pr PVC Jacket, CMR Rated Horizontal Cable

		<p>For more information please call <b>1-800-Belden1</b></p> <p><u>See Put-ups and Colors</u></p> <p><b>Related Documents: No.8 for Data Twist Cables (Modified Western Electric).pdf</b></p>
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### Description:

CAT5e 4Pair, UTP 24 AWG solid bare copper conductors, non-plenum, Polyolefin insulation, twisted pairs, ripcord, PVC jacket. UL CMR LISTED, Premise Horizontal cable.

Note: This is a APAC version 1583A, only available at APAC region

### SUITABLE APPLICATIONS:

Suitable Applications	Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG, Fast Ethernet, ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU, Digital Video, RS-422
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### PHYSICAL CHARACTERISTICS:

#### CONDUCTOR:

Number of Pairs	4
Total Number of Conductors	8
AWG	24
Stranding	Solid
Conductor Material	BC - Bare Copper

#### INSULATION:

Insulation Material	PO – Polyolefin(Non-bonded)
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#### Pair Color Code Chart:

Pair Number	Insulation Color	
	Wire 1	Wire 2
1	Blue	White with Blue Stripe
2	Orange	White with Orange Stripe
3	Green	White with Green Stripe
4	Brown	White with Brown Stripe

#### OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Ripcord	Yes

#### OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	4.8 mm
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### MECHANICAL CHARACTERISTICS:

Operating Temperature Range	- 20°C To + 75°C
Bulk Cable Weight	8.1 kg/305m
Max. Recommended Pulling Tension	110 N
Min. Bend Radius (Install)	25.4 mm

### APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

NEC/(UL) Specification	CMR, UL444
CEC/C(UL) Specification	CMR
IEC Specification	11801 Category 5e
EU CE Mark (Y/N)	N
EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	Dec 2007
TIA/EIA Specification	568-C.2 Category 5e
Other Specification	NEMA WC-63.1 Category 5e, UL verified to Category 5e

### FLAME TEST:

UL Flame Test	UL1666 Riser
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### SUITABILITY:

Suitability – Indoor (Y/N)	Y
Suitability - Outdoor (Y/N)	N
Sunlight Resistance (Y/N)	N
Oil Resistance	N
Non-halogenated	N

### PLENUM/NON-PLENUM:

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

Nom. Mutual Capacitance @ 1 KHz	5.6 nF/100m
Maximum Capacitance Unbalance	330 pF/100m
Nominal Velocity of Propagation	70 %
Maximum Delay @ 100 MHz	538 ns/100m
Maximum Delay Skew	45 ns/100m
Characteristic Impedance	100 ± 15 Ohm
Maximum Conductor DC Resistance @ 20 Deg.C	9.38 Ohms/100m
Maximum DCR Unbalance @ 20 Deg.C	5 %
Max. Operating Voltage	80 V

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### ELECTRICAL CHARACTERISTICS - PREMISES:

Premise Cable Electricals Table 1:

Frequency (MHz)	Max. Attenuation (dB/100m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACR (dB)	Min. PSACR (dB)	Min. Return Loss (dB)	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	2.0	65.3	62.3	63.3	60.3	20.0	63.8	60.8
4	4.1	56.3	53.3	52.2	49.2	23.0	51.8	48.8
8	5.8	51.8	48.8	46.0	43.0	24.5	45.7	42.7
10	6.5	50.3	47.3	43.8	40.8	25.0	43.8	40.8
16	8.2	47.2	44.2	39.0	36.0	25.0	39.7	36.7
20	9.3	45.8	42.8	36.5	33.5	25.0	37.8	34.8
25	10.4	44.3	41.3	33.9	30.9	24.3	35.8	32.8
31.25	11.7	42.9	39.9	31.2	28.2	23.6	33.9	30.9
62.5	17.0	38.4	35.4	21.4	18.4	21.5	27.9	24.9
100	22.0	35.3	32.3	13.3	10.3	20.1	23.8	20.8

### NOTES:

Notes

Jacket sequentially metre marked.

Third party verified to TIA/EIA-568-B.2, Category 5e

### PUT-UPS AND COLORS:

Item	Description	Put-Up	Ship Weight(kg)	Jacket Color
1583A 006U1000	CAT5E UTP 4 PR #24 PO PVC	1000ft	8.5	BLUE
1583A 008U1000	CAT5E UTP 4 PR #24 PO PVC	1000ft	8.5	GRAY

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