Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1232A1 Multi-Conductor - Category 3 Nonbonded-Pair Cable



For more Information please call

1-800-Belden1



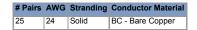
General Description:

CAT3 (16MHz), 25-Pair, U/UTP-Unshielded, Riser-CMR, Premise Backbone Cable, 24 AWG solid bare copper conductors, S-R PVC insulation, PVC jacket

Physical Characteristics (Overall)

Conductor

AWG:



Total Number of Conductors:

50

Insulation

Insulation Material:



Outer Shield

Outer Shield Material:



Outer Jacket

Outer Jacket Material:



Outer Jacket Diameter:

Nom. Dia. (in.) 0.399

Pair

Pair Color Code Chart:

Color
White/Blue Stripe & Blue/White Stripe
White/Orange Stripe & Orange/White Stripe
White/Green Stripe & Green/White Stripe
White/Brown Stripe & Brown/White Stripe
White/Gray Stripe & Gray/White Stripe
Red/Blue Stripe & Blue/Red Stripe
Red/Orange Stripe & Orange/Red Stripe
Red/Green Stripe & Green/Red Stripe
Red/Brown Stripe & Brown/Red Stripe
Red/Gray Stripe & Gray/Red Stripe
Black/Blue Stripe & Blue/Black Stripe
Black/Orange Stripe & Orange/Black Stripe
Black/Green Stripe & Green/Black Stripe
Black/Brown Stripe & Brown/Black Stripe
Black/Gray Stripe & Gray/Black Stripe
Yellow/Blue Stripe & Blue/Yellow Stripe
Yellow/Orange Stripe & Orange/Yellow Stripe
Yellow/Green Stripe & Green/Yellow Stripe
Yellow/Brown Stripe & Brown/Yellow Stripe
Yellow/Gray Stripe & Gray/Yellow Stripe
Purple/Blue Stripe & Blue/Purple Stripe
Purple/Orange Stripe & Orange/Purple Stripe
Purple/Green Stripe & Green/Purple Stripe
Purple/Brown Stripe & Brown/Purple Stripe
Purple/Gray Stripe & Gray/Purple Stripe

Page 1 of 3 02-23-2016

Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION



1232A1 Multi-Conductor - Category 3 Nonbonded-Pair Cable

Med	Mechanical Characteristics (Overall)			
	Operating Temperature Range:	-20°C To +75°C		
	Bulk Cable Weight:	97 lbs/1000 ft.		
	Max. Recommended Pulling Tension:	155 lbs.		
	Min. Bend Radius/Minor Axis:	3.300 in.		
	Min. Bend/Installation:	3.300 in.		

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

phoable standards a Environmental i regiume	
NEC/(UL) Specification:	CMR, UL444
CEC/C(UL) Specification:	CMR
EU Directive 2011/65/EU (ROHS II):	Yes
IEEE Specification:	802.3 10BaseT, 100BaseT4
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
Other Specification:	NEMA WC-63 Category 3, UL verified to TIA/EIA-568-B.2, Category 3
ame Test	
UL Flame Test:	UL1666 Riser
CSA Flame Test:	FT4
enum/Non-Plenum	
Plenum (Y/N):	No

Electrical Characteristics (Overall)

Nom. Mutual Capacitance:

Capacitance (pF/ft)
15

Maximum Capacitance Unbalance (pF/100 m): 330

Nominal Velocity of Propagation:

VP (%) 61

Nominal Delay:

Delay (ns/ft 1.5

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 Elelctricals:

Freq. (MHz)	Max. Attenuation (dB/100 m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. SRL (dB)	Fitted Imp. (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%

Page 2 of 3 02-23-2016

Detailed Specifications & Technical Data





1232A1 Multi-Conductor - Category 3 Nonbonded-Pair Cable

16	13.10	No Spec	23.0	9.96	100 ± 15%
----	-------	---------	------	------	-----------

Notes (Overall)

Notes: Jacket sequentially marked at 2 ft. intervals. Third party verified to TIA/EIA-568-B.2, Category 3. NEXT is Power Sum tested.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1232A1 0081000	1,000 FT	96.000 LB	GRAY	С	CAT3 25PR U/UTP CMR REEL

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 4 Revision Date: 02-23-2016

© 2016 Belden, Inc All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with EU RoHS (Directive 2002/95/EC, 27-Jan-2003). Material manufactured prior to the compliance date may be in stock at Belden facilities and in our Distributor's inventory. The information provided in this Product Disclosure, is correct to the best of Belden's knowledge, information, and belief at the date of its publication. The information provided in this Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product

product. ´
Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.

Page 3 of 3