

YJ55164 Paired - Category 5e 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.8 for Data Twist Cables (Modified Western Electric).pdf</p>
---	---

Description:

24 AWG solid bare copper conductors, non-plenum, Polyolefin insulation, twisted pairs, foil shield, drain wire, see color code chart (below), PVC jacket (blue, gray).

SUITABLE APPLICATIONS:

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

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
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 SHIELD:

Outer Shield Type	Tape
Outer Shield Material	Aluminum Foil – Polyester Tape
Outer Shield %Coverage	100 %

OUTER SHIELD DRAIN WIRE:

YJ55164 Paired - Category 5e Unbonded - Pair Cable

Outer Shield Drain Wire Nom. Diameter	0.4 mm
Outer Shield Drain Wire Conductor Material	TC – Tinned Copper
OUTER JACKET:	
Outer Jacket Material	PVC - Polyvinyl Chloride
OVERALL NOMINAL DIAMETER:	
Overall Nominal Diameter	6.0 mm
MECHANICAL CHARACTERISTICS:	
Operating Temperature Range	- 20°C To + 75°C
Bulk Cable Weight	39 kg/km
Max. Recommended Pulling Tension	100 N
Min. Bend Radius (Install)	48 mm
APPLICABLE SPECIFICATION AGENCY COMPLIANCE:	
APPLICABLE STANDARDS:	
NEC/(UL) Specification	CM
CEC/C(UL) Specification	CM
IEC Specification	11801 Category 5e, 61156-5
EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	Dec 2007
FLAME TEST:	
UL Flame Test	UL1685 UL Loading
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
ELECTRICAL CHARACTERISTICS:	
Nom. Mutual Capacitance @ 1 KHz	5.6 nF/100m
Maximum Pair to Ground Capacitance Unbalance @ 1 KHz	330 pF/100m
Nominal Velocity of Propagation	65 %
Maximum Delay @ 100 MHz	538 ns/100m
Maximum Delay Skew	45 ns/100m

YJ55164 Paired - Category 5e Unbonded - Pair Cable

Maximum Conductor DC Resistance @ 20 Deg.C	9.5 Ohms/100m
Maximum DCR Unbalance @ 20 Deg.C	5 %
Max. Operating Voltage - UL	300 V RMS

ELECTRICAL CHARACTERISTICS - PREMISES:

Premise Cable Electricals Table 1:

Frequency (MHz)	Max.Attenuation (dB/100m)	Min. Return Loss (dB)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min.ELFEXT (dB)	Min. PSELFEXT (dB)
1	-	-	65.3	62.3	63.8	60.8
4	4.1	23.0	56.3	53.3	51.8	48.8
8	5.8	24.5	51.8	48.8	45.7	42.7
10	6.5	25.0	50.3	47.3	43.8	40.8
16	8.3	25.0	47.2	44.2	39.7	36.7
20	9.3	25.0	45.8	42.8	37.8	34.8
25	10.4	24.3	44.3	41.3	35.8	32.8
31.25	11.7	23.6	42.9	39.9	33.9	30.9
62.5	17.0	21.5	38.4	35.4	27.9	24.9
100	22.0	20.1	35.3	32.3	23.8	20.8

NOTES:

Notes	Jacket sequentially metre marked.
-------	-----------------------------------

PUT-UPS AND COLORS:

Item	Description	Put-Up(metre)	Ship Weight(kg)	Jacket Color
YJ55164 006305M	4 PR #24 PO PVC	305	13.5	BLUE
YJ55164 008305M	4 PR #24 PO PVC	305	13.5	GRAY

Revision Number: 1

Revision Date: 6/28/2013

©Copyright 2013 Belden, Inc
All Rights Reserved.

Although Belden ("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 the following environmental regulations: California Proposition 65 Consent Judgment For Wire & amp; Cable Mfgs.(San Francisco Superior Court Nos. 312962 And 320342); EU RoHS (Directive 2002/95/EC, 27-Jan2003); Material manufactured prior to the compliance date may still be in stock at Belden facilities and in our Distributor's inventory. EU ELV (Directive 2000/53/EC, 18-Sept-2000); EU WEEE (Directive 2002/96/EC, 27-Jan-2003); And EU BFR (Directive 2003/11/EC, 6-Feb2003). The information provided in this Product Disclosure, and the identification of materials listed as reportable or restricted within the Product Disclosure, is correct to the best of Belden's knowledge, information and belief at the date of its publication. The information provided in the Product Disclosure is designed only as a general guide for the safe handling,

YJ55164 Paired - Category 5e Unbonded - Pair Cable

storage, and any other operation of the product itself or the one that it becomes a part of. 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. Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 73/23/EEC), as amended by directive 93/68/EEC.