

DataConnect Category6 UTP, 4Pair-24AWG, LSZH Jacket 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:

Cat6 UTP 4Pair24AWG solid bare copper conductors, Polyethylene insulation, Twisted pairs, Tentral spline, Rip cord, LSZH jacket.

SUITABLE APPLICATIONS:

Suitable Applications	Gigabit Ethernet, 100BaseTX, 100BaseVG, 250MHz Category 6
-----------------------	---

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

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

INSULATION:

Insulation Material	Polyethylene
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

OVERALL CABLING:

Overall Cabling Fillers	Central Spline
-------------------------	----------------

OUTER JACKET:

Outer Jacket Material	LSZH
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

Nom. Overall Diameter	5.7 mm
-----------------------	--------

DataConnect Category6 UTP, 4Pair-24AWG, LSZH Jacket Cable

MECHANICAL CHARACTERISTICS:

Operating Temperature Range	- 20°C To + 60°C
Bulk Cable Weight	38.8 kg/km
Min. Bend Radius	24 mm

APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

IEC Specification	11801 Class E
EU RoHS Compliant (Y/N)	Y
EU RoHS Compliance Date	Jan 2013
TIA Specification	568.2-D Category 6

FLAME TEST:

Flame Rating	IEC 60332-1
--------------	-------------

SUITABILITY:

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

ELECTRICAL CHARACTERISTICS:

Max. Conductor DC Resistance @ 20 Deg.C	93.8 Ohms/km
Max. Pair-to-ground Capacitance Unbalance	330 pF/100m
Max. Operating Voltage	72 Vdc

ELECTRICAL CHARACTERISTICS –90M PERMANENT LINK:

Premise Cable Electricals Table 1:

Frequency (MHz)	Max. Attenuation (dB)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. ACRF (dB)	Min. PSACRF (dB)	Min. Return Loss (dB)	Propagation delay(ns)
1	1.9	65.0	62.0	64.2	61.2	19.1	521
4	3.5	64.1	61.8	52.1	49.1	21.0	504
10	5.5	57.8	55.5	44.2	41.2	21.0	498
16	7.0	54.6	52.2	40.1	37.1	20.0	496
20	7.9	53.1	50.7	38.2	35.2	19.5	495
31.25	10.0	50.0	47.5	34.3	31.3	18.5	494
62.5	14.4	45.1	42.7	28.3	25.3	16.0	492
100	18.6	41.8	39.3	24.2	21.2	14.0	491
200	27.4	36.9	34.3	18.2	15.2	11.0	490
250	31.1	35.3	32.7	16.2	13.2	10.0	490

NOTES:

DataConnect Category6 UTP, 4Pair-24AWG, LSZH Jacket Cable

Notes

Jacket sequentially marked.
Meet 90m permanent link requirements

PUT-UPS AND COLORS:

Item	Description	Put-Up	Jacket Color	Package type
BEL602 006U305M	DATACONNECT CAT6 UTP 4 PR #24 PO LSZH	305M	BLU	Box

Revision Number: 3

Revision Date: 5-7-2022

©Copyright 2022 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.