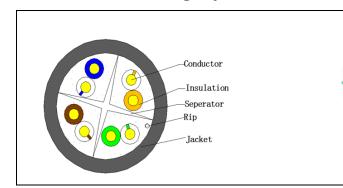


DataConnect Category6 UTP, 4Pair-24AWG, LSZH Jacket Cable



For more information please call 1-800-Belden1

See Put-ups and Colors

Related Documents: No.8 for Data Twist Cables (Modified Western Electric).pdf

Description:

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

Gigabit Ethernet, 100BaseTX, 100BaseVG, 250MHz Category 6

SUITABLE APPLICATIONS:

Suitable Applications

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		
Pair Number	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

MECHNICAL CHARACTERISTICS:

Operating Temperature Range	- 20℃ To + 60℃
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)	Υ
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)	Υ
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:

Detailed Specifications & Technical Data



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	Вох

Revision Number: 3 Revision Date: 5-7-2022

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