

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>
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Description:

Cat6 UTP 4Pair24AWG solid bare copper conductors, Polyethylene insulation, twisted pairs, central spline, rip cord, LSZH jacket.

SUITABLE APPLICATIONS:

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

OVERALL CABLING:

Overall Cabling Fillers	Central Spline
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OUTER JACKET:

Outer Jacket Material	LSZH
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	5.7 mm
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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
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SUITABILITY:

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

ELECTRICAL CHARACTERISTICS:

Permanent link DC loop resistance	21 Ohms
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:

Notes	Jacket sequentially marked. Meet 90m permanent link requirements
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PUT-UPS AND COLORS:

Item	Description	Put-Up	Jacket Color	Package type
BEL602 009U305M	DATACONNECT CAT6 UTP 4 PR #24 PO LSZH	305M	WHT	Box

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