

YJ55169 Paired - Category 5e Unbonded - Pair Cable

 	<p style="text-align: center;">For more information please call 1-800-Belden1</p> <p style="text-align: center;"><u>See Put-ups and Colors</u></p> <p style="text-align: center;">Related Documents: No.8 for Data Twist Cables (Modified Western Electric).pdf</p>
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Description:

24 AWG solid bare copper conductors, non-plenum, Polyolefin insulation, twisted pairs, see color code chart (below), rip cord, PVC jacket (blue or grey).

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
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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	PO – Polyolefin
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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

OUTER SHIELD:

Outer Shield Material	Unshielded
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OUTER JACKET:

Outer Jacket Material	PVC - Polyvinyl Chloride
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

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Overall Nominal Diameter	5.0 mm
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	- 15°C To + 60°C
Bulk Cable Weight	29 kg/km
Max. Recommended Pulling Tension	78 N
Min. Bend Radius (Install)	40 mm

APPLICABLE SPECIFICATION AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

RoHS Compliant (Y/N)	Y
Telecommunication Standard	TIA/EIA 568-C.2 Category 5e
Other Standards	ISO/IEC 11801 ed 2.1 (2008) Class D

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
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ELECTRICAL CHARACTERISTICS:

Nom. Mutual Capacitance @ 1 KHz	5.6 nF/100m
Maximum Capacitance Unbalance	330 pF/100m
Minimum Velocity of Propagation @ 100MHz	62 %
Maximum Delay @ 100 MHz	538 ns/100m
Maximum Delay Skew	45 ns/100m
Maximum Conductor DC Resistance @ 20 Deg.C	9.38 Ohms/100m
Maximum DCR Unbalance @ 20 Deg.C	5 %
Maximum Intended Operating Voltage	80 V RMS

ELECTRICAL CHARACTERISTICS - PREMISES:

Premise Cable Electricals Table 1:

Frequency (MHz)	Max. Attenuation (dB/100m)	Min. NEXT (dB)	Min. PSNEXT (dB)	Min. Return Loss (dB)	Min. ELFEXT (dB)	Min. PSELFEXT (dB)
1	2.0	65.3	62.3	20.0	63.8	60.8
4	4.1	56.3	53.3	23.0	51.7	48.7
8	5.8	51.8	48.8	24.5	45.7	42.7

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10	6.5	50.3	47.3	25.0	43.8	40.8
16	8.2	47.3	44.3	25.0	39.7	36.7
20	9.2	45.8	42.8	25.0	37.7	34.7
25	10.4	44.3	41.3	24.3	35.8	32.8
31.25	11.7	42.9	39.9	23.6	33.9	30.9
62.5	17.0	38.4	35.4	21.5	27.8	24.9
100	22.0	35.3	32.3	20.1	23.8	20.8

NOTES:

Notes	Jacket sequentially marked.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color
YJ55169 006U1000	4 PR #24 PO PVC	U1000	20	BLU
YJ55169 008U1000	4 PR #24 PO PVC	U1000	20	GRY

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