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CABLES

an INFINIT[®] brand

Cat5e UTP Solid PVC Cable- 25 Pair- Gray Cable

Part No: 85-600-025 GY

Category 5E UTP 1000' 50 Conductors, Bulk, PVC Jacket, 24AWG Solid-Bare Copper, Wooden Spool (ETL). Our bulk cable is marked in descending order so you always know how much cable is left.

Applications

- Gigabit Ethernet 1000Base-T
- 100Base-T and 100Base-TX
- 100Base-VG AnyLAN
- 55/155 Mbps ATM
- High Speed Voice/Data Applications
- ISDN and Multimedia

Compliance

- ISO/IEC 11801
- TIA/EIA-568-C.2 Category 5e
- ANSI/ICEA S-90-661 (Category 5)
- NEMA WC63.1 (Category 5)
- PVC: CM
- ETL Verified
- RoHS Compliant

Physical Characteristics

- Conductor Size: 24AWG
- Conductor Material: Solid Bare Copper
- Insulation Material: Polyethylene
- Insulation Diameter: 0.90 ± 0.02mm
- Number of Conductors: 50 Conductors
- Number of Pairs: 25 Pairs
- Outer Shield Material: N/A
- Drain Wire: No
- Outer Jacket Material: CM PVC
- Outer Jacket Diameter: .520 in.
- Outer Jacket Rip Cord: Yes - Nylon

Pair Color Code Chart

Pair 1 — White - Blue	Pair 14 — Black - Brown
Pair 2 — White - Orange	Pair 15 — Black - Gray
Pair 3 — White - Green	Pair 16 — Yellow - Blue
Pair 4 — White - Brown	Pair 17 — Yellow - Orange
Pair 5 — White - Gray	Pair 18 — Yellow - Green
Pair 6 — Red - Blue	Pair 19 — Yellow - Brown
Pair 7 — Red - Orange	Pair 20 — Yellow - Gray
Pair 8 — Red - Green	Pair 21 — Violet - Blue
Pair 9 — Red - Brown	Pair 22 — Violet - Orange
Pair 10 — Red - Gray	Pair 23 — Violet - Green
Pair 11 — Black - Blue	Pair 24 — Violet - Brown
Pair 12 — Black - Orange	Pair 25 — Violet - Gray
Pair 13 — Black - Green	

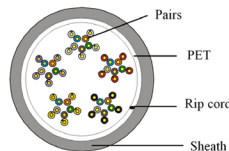
Mechanical Characteristics

- Storage Temperature Range: -30~+60
- Installation Temperature Range: -30~+60
- Operating Temperature Range: -30~+60
- Bulk Cable Weight: 120lbs. / 1000FT
- Max. Recommended Pulling Tension: 119 lbs.
- Min. Bend Radius: 4.900 in.
- Test Object: Jacket
- Test Material: PVC
- Before Tensile Strength: ≥13.8
 - Aging Elongation: ≥100
 - Aging Condition: 100°C x 168hrs
- After Tensile Strength: ≥ 85% Mpa
 - Aging Elongation: ≥ 50%
 - Cold Bend: No Cracks (-40°±2° Cx4hrs)

CAT5E



Technical Diagram



Available Jacket Colors

- Gray Item# C5U-368GY-50C

Cable Features

- Uniformity of Insulation Provides Very Low Differential Propagation Delay (Skew).
- Meets or Exceeds CAT 5E T568C Standards.
- Easy to Use Wooden Spool.
- Extra Headroom Provides Room for Growth.
- Low Attenuation and Power-Sum Crosstalk.

Construction Facts

- The PVC Cable has Polyethylene Insulation.
- Longitudinal Rip Cord for Easy Jacket Opening.

Cable Put-Ups:

- Cable is Supplied in 1000ft Increments on a Wooden Spool.

Electrical Characteristics

- Capacitance Unbalance Pair to Ground, max: 330 pF/100m
- Maximum Conductor DC Resistance: 9.38 Ω/100m
- Dielectric Strength: 1,000 V RMS @ 60Hz for 1 Minute
- Voltage Rating: 150 VAC maximum
- Current Rating: 1.5 A maximum
- Insulation Resistance: 500 Mega Ω minimum
- Contact Resistance: 10 Milli Ω maximum
- Maximum Delay: 538 @ 100MHz (ns/100m)
- Maximum Delay Skew: ≤ 45 (ns/100m)
- Maximum DCR Unbalanced: 5% (@ 20°C)
- Attenuation (Maximum)
 - 22.0dB/100m (328.1ft.) @ 100MHz
 - 44.9dB/100m (328.1ft.) @ 350MHz
- 1.0 - 100MHz Impedance: 100Ω ± 15%
- NEXT (Minimum)
 - 35.3dB/100m (328.1ft.) @ 100MHz
 - 27.1dB/100m (328.1ft.) @ 350MHz
- PS-NEXT (Minimum)
 - 32.3dB/100m (328.1ft.) @ 100MHz
 - 24.1dB/100m (328.1ft.) @ 350MHz
- Return Loss (Minimum)
 - 20.1dB/100m (328.1ft.) @ 100MHz
 - 16.0dB/100m (328.1ft.) @ 350MHz

Jacket Printing

PRIMUS CABLE CAT5E UTP 25PR 24AWG 350MHZ CM ETL
 VERIFIED TO TIA/EIA-568B.2 ZONE A B C D E F /
 DEVICE 1 2 3 4 5 6 7 8 9(VID:018)XXXXFT

Sequential foot markers on jacket.

CAT 5E 350MHz Solid Bulk Cable Electrical Specifications

Frequency MHz (Maximum)	ATT dB/100 m (328 ft.) (Maximum)	ACR dB/100 m (328 ft.) (Maximum)	DELAY ns/100 m (328 ft.) (Minimum)	NEXT dB/100 m (328 ft.) (Minimum)	PS-NEXT dB/100 m (328 ft.) (Minimum)	ELFEXT dB/100 m (328 ft.) (Minimum)	PS-ELFEXT dB/100 m (328 ft.) (Minimum)	Return Loss dB (Minimum)
1.0	2.0	N/A	570.00	62.3	62.3	61.0	61.0	17.0
4.0	4.1	N/A	552.00	53.3	53.3	49.0	49.0	18.8
8.0	5.8	N/A	546.73	48.8	48.8	42.9	42.9	19.7
10.0	6.5	N/A	545.38	47.3	47.3	41.0	41.0	20.0
16.0	8.2	N/A	543.00	44.2	44.4	36.9	36.9	20.0
20.0	9.3	N/A	542.05	42.8	42.8	35.0	35.0	20.0
25.0	10.4	N/A	541.20	41.3	41.3	33.8	33.0	19.3
32.25	11.7	N/A	540.44	39.9	39.9	31.1	31.1	18.6
62.5	17.0	N/A	538.55	35.4	35.4	25.1	25.1	16.5
100	22.0	N/A	537.60	32.3	32.3	21.0	21.0	15.1
200	32.0	N/A	536.50	27.8	27.8	14.8	14.8	13.0
350	44.9	N/A	535.90	24.1	24.1	9.9	9.9	11.3