

Category 3 UTP Multi-Pair Cable

Cat.3 Unshielded Multi-Pair Cable

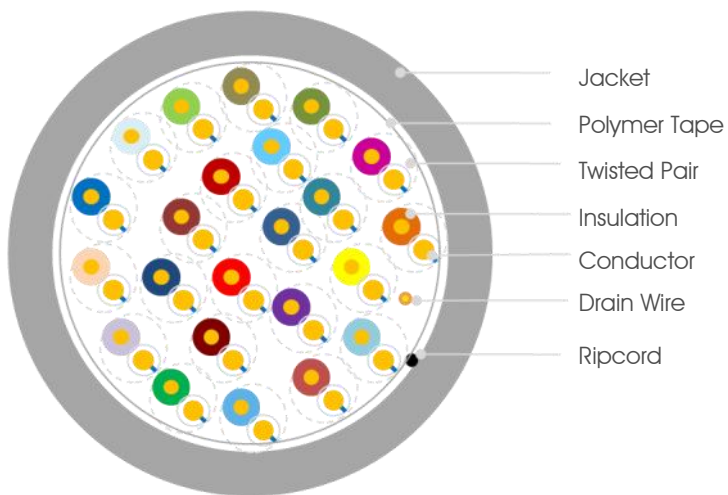
Infinique Category 3 UTP cables meet or exceed TIA and ISO requirements for Category 3/Class C performance. The cable is constructed with solid bare copper and HDPE insulation, surrounded by Polyester tape and sheathed in a jacket which is PVC or PE. A rip cord is laid under the jacket to facilitate its removal.

Infinique's Category 3 cables complies with all of the performance requirements for voice and low speed data up to 10 Mbps 10BASE-T. Infinique Category 3 Cable is available for both Indoor and Outdoor applications.

Features and Benefits

- Standards**
 Solid Bare Copper UTP Multi-pair cable for performance as per ANSI/TIA-568-D Category 3 standards
- Reliable Performance**
 Premise Backbone Cable with color coded pairs and reliable performance for Ethernet 10BASE-T, Analog Phone applications
- Indoor and Outdoor**
 Available in indoor and outdoor configuration in 10, 25, 50, 100, 200 pairs
- Performance Warranty**
 Qualifies for the Infinique's 25 Years System Performance Link Warranty

CABLE CONSTRUCTION



Category 3 UTP Multi-Pair Cable

ELECTRICAL SPECIFICATIONS

Mutual Capacitance	6.6nF/100m nominal
Characteristic Impedance	100Ω ±15%, 1.0 - 100MHz
DC Resistance	9.5Ω/100m maximum
Conductor DC Resistance	28.6Ω/1000ft maximum
Insulation DC Resistance	500 MΩ/1000ft maximum
Voltage	300VAC or VDC
Propagation Delay	5.7ns/m maximum @ 10MHz
Nominal Velocity of Propagation	70%
Transmission Performance	TIA/EIA-568-C 10 channel and link performance

MATERIAL SPECIFICATIONS

Conductor	Solid Bare Copper 24 AWG Ø: 0.50±0.005mm
Insulation	HDPE Ø: 0.95±0.03mm
Outer Shield	Aluminum Foil
Inner Shield	Polyester
Rip Cord	Nylon Thread
Drain Wire	TC 0.45mm
Jacket Material	PVC / PE / LSOH
Jacket Thickness / Diameter	1.0±0.4 mm / Ø: 16.0±1.0 mm
Pulling Tension Max	110N (25lbf)
Bend Radius	One Time: 4 x O.D. Installation: 8 x O.D.
Operating Temperature	-20°C ~ 60°C
Storage Temperature	-20°C ~ 75°C
Installation Temperature	0°C ~ 60°C

TRANSMISSION PERFORMANCE

Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	PS NEXT (dB)	Impedance (ohm)	Return Loss (dB)
1	2.6	41.3	41.3	100 ±15	12.0
4	5.6	32.3	32.3	100 ±15	12.0
8	8.5	27.8	27.8	100 ±15	12.0
10	9.7	26.3	26.3	100 ±15	12.0
16	13.1	23.3	23.3	100 ±15	9.95

STANDARDS / COMPLIANCE

Meets or Exceeds UL444, UL1581
 Flame Retardant as per IEC 60332-1 and EN 50266-2-1
 Non Corrosive as per IEC 60754-2 and EN 50267
 Low Smoke Emission as per IEC 61034 and EN 50268

APPLICATIONS SUPPORTED

100BASE-T4, 10BASE-T, Telephony Voice Wiring

ORDERING INFORMATION

Part Number	Description
INC3U10GYR	Category 3 Indoor 10 Pairs UTP Cable, PVC, Gray Color
INC3U25GYR	Category 3 Indoor 25 Pairs UTP Cable, PVC, Gray Color
INC3U50GYR	Category 3 Indoor 50 Pairs UTP Cable, PVC, Gray Color
INC3U100GYR	Category 3 Indoor 100 Pairs UTP Cable, PVC, Gray Color
INC3U200GYR	Category 3 Indoor 200 Pairs UTP Cable, PVC, Gray Color
INC3U10GYL	Category 3 Indoor 10 Pairs UTP Cable, LSOH, Gray Color
INC3U25GYL	Category 3 Indoor 25 Pairs UTP Cable, LSOH, Gray Color
INC3U50GYL	Category 3 Indoor 50 Pairs UTP Cable, LSOH, Gray Color
INC3U100GYL	Category 3 Indoor 100 Pairs UTP Cable, LSOH, Gray Color
INC3U200GYL	Category 3 Indoor 200 Pairs UTP Cable, LSOH, Gray Color
INC3U10BKO	Category 3 Outdoor 10 Pairs UTP Cable, PE, Black Color
INC3U25BKO	Category 3 Outdoor 25 Pairs UTP Cable, PE, Black Color
INC3U50BKO	Category 3 Outdoor 50 Pairs UTP Cable, PE, Black Color
INC3U100BKO	Category 3 Outdoor 100 Pairs UTP Cable, PE, Black Color
INC3U200BKO	Category 3 Outdoor 200 Pairs UTP Cable, PE, Black Color

Packing: 1000 meters packed in wooden reels. Custom lengths are available upon requests.



Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at www.infinique.com or email us at sales@infinique.com.