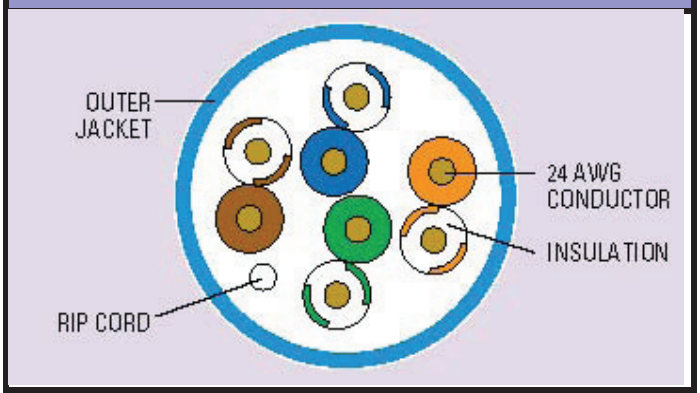
BestLinkNetware inc.

Category 3 UTP Cable
4 Pair



Description

24 AWG Unshielded Twisted 4 Pair, High-Performance Data Cable

Applicable Standards

- ETL Listed Type CMR
- C(ETL) listed CMG FT4
- ETL Verified to TIA - 568-C.2, UL 444, and ISO/IEC 11801
- ROHS Compliant
- ATM 155 Mbps
- Ethernet 10BASE-T, 100BASE-TX, 100BASE-VG, 100BASE-T4,
- 1000 Mbps 1000BASE-T Gigabit Ethernet™ (IEEE 802.3)
- 16 Mbps Token Ring™ (IEEE 802.5)

Physical Characteristics

Number of Conductor Pairs	4
Size	24 AWG
Stranding	Solid
Conductor Material	Solid Annealed Bare Copper
Shield Material	Al Foil Shield
Rip Cord	Yes
Insulation Overall Diameter	0.0346 in. ± 0.001 in.
Insulation Average Thickness	0.0079 in.
Insulation Material	Polyethylene
Jacket	Flame Retardant PVC
Outer Jacket Average Wall Thickness	0.0393 in.
Outer Jacket Nom. O.D.	0.492 in.
Assembly Diameter	0.354 in.
Twisted Pair Diameter	0.0692 in.
Nominal Weight	100 lbs.

Mechanical Characteristics

Temperature Rating	Installation	0 to + 60°C
	Operating	-20°C to + 75°C
Min. Ben Radius		1.0 in.
Max. Pulling Force		25 lbs
Tensile Strenth	Before	> = 13.8 Mpa
Elongation	Aging	> = 100%
Aging Condition		100°C x 168 hours
	After	> = 85% of unaged
	Aging	> = 85% of unaged

Color Code

Pair 1	White / Blue	Blue
Pair 2	White / Orange	Orange
Pair 3	White / Green	Green
Pair 4	White / Brown	Brown

Cable Marking

CATEGORY3 24AWG 4PR UTP XXXXXXX CMR C(ETL)US FT4
ETL LISTED & VERIFIED TO TIA - 568-C.2 ****FT

Electrical Performance

Frequency (MHz)	Attenuation (dB/100m) Max.	Return loss (dB) Min.	NEXT (dB) Min.	PS-NEXT (dB) Min.
0.772	2.2	12.0	43.0	
1	2.6	12.0	41.3	
4	5.6	12.0	32.3	
8	8.5	12.0	27.8	
10	9.7	12.0	26.3	
16	13.1	10.0	23.3	

Frequency (MHz)	ELFEXT (dB/100m) Min.	PS-ELFEXT (dB/100m) Min.	Delay (ns/100m) Max.
0.772			576.0
1			570.0
4			552.0
8			545.0
10			545.0
16			543.0

Electrical Characteristics

Maximum Conductor DC Resistance @ 20°C	9.8 Ω / 100 Meters
Maximum DC Resistance Unbalanced @ 20°C	5%
Maximum Pair-to-Pair Ground Capacitance Unbalance	330 pF / 100 Meters
Characteristic Impedance (1 ~ 350 MHz)	100 ± 15 Ω
Mutual Capacitance	5.6 nF / 100 Meters
Maximum Delay Skew	45 nS / 100 Meters

Part Numbers

Part #	Color		Put- up
3-04UR GY -1	Grey	1,000'	Pull Box
3-04UR WH -1	White	1,000'	Pull Box