



WIRES & CABLES

Safety For You And Your Generations

CELEBRATING
40
Years of
TRUST & EXCELLENCE

CAT6 UTP LAN CABLES

High Performance.
Reliable Connectivity.
Built For The Future.



SPEED

Fast Data
Transmission
Performance.



STABILITY

Consistent
Network
Performance.



RELIABILITY

Durable &
Reliable
Connectivity.



Gigabit
Ethernet



250 MHz
Bandwidth



4 Pair UTP
Design



Reliable
Connectivity



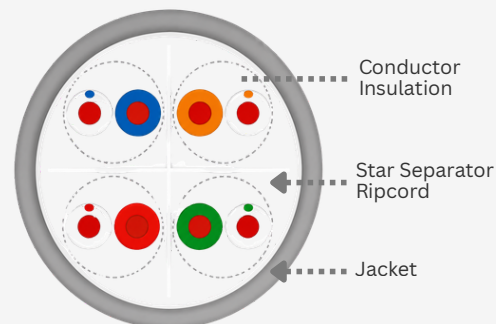
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23 AWG UTP CAT 6 LAN CABLES

Q-FLX CATEGORY 6 UTP 4 PAIR NETWORKING CABLE 23



CABLE CROSS SECTION VIEW



TECHNICAL DATA

Specification	: Generally conforming to EIA/TIA 568-C.2 and IEC/ISO 11801
Category	: Category 6 – 4 Pairs Unshielded Twisted Pair (UTP) Cable
Conductor	: 23 AWG Solid Bare Annealed Electrolytic Grade Copper.
Insulation	: High density polyethylene (HDPE)
Pair	: Two Insulated conductors twisted together with unique lay
Outer Jacket	: FR PVC Compound
Standard Colour	: Grey. Any other color as per customer requirement
Cable Diameter	: 6.0 mm $\pm$ 0.3 mm
Separator	: HDPE
Rip Cord	: Ply Nylon
Marking	: Q-FLX CATEGORY 6 UTP 4 PAIR NETWORKING CABLE 23 AWG COPPER FR AS PER TIA/EIA 568 C.2 AND IEC /ISO 11801 JULANY XXX METER
Temperature Range	: -20 to +70°
Storage Temperature Range	: 0°C to +50°C
Packing	: Available 100 mtr. and 305 mtr. Longer length available on request.

CABLE COLOR CODE

Pair No	Code
1 – 2	Orange – White Stripe and Orange
3 – 4	Blue – White Stripe and Blue
5 – 6	Green – White Stripe and Green
7 – 8	Brown – White Stripe and Brown

Electrical Properties

Characteristic Impedance	: 100 $\pm$ 15% Ω
Conductor Resistance	: 72.2 OHMS/KM@20 Degree C. MAX
Mutual Capacitance	: < 5.6nF/100m
Capacitance Unbalance	: 330pF/100m Max
Resistance Unbalance	: 5% Max
Propagation Delay Skew	: 536 ns/100M
Worst Case Cable Skew	: 45ns/100m
Nominal Velocity of Propagation	: 69%
Operating Voltage	: 72V
Dielectric Strength	: 1.0KV dc or 0.75KV ac for 1 min

TRANSMISSION PARAMETER AS PER 100 METRE

FREQ (MHz)	ATT (dB/100m) max.	NEXT (dB) min.	PS.NEXT (dB) min.	ACRF (dB @ 100 m) min.	PS.ACRF (dB @ 100 m) min.	Return Loss (dB/100m)
1	2.1	65.0	62.0	63.0	60.3	19
4	4.0	63.0	60.5	51.2	48.2	19
8	5.7	58.2	55.6	45.2	42.2	19
10	6.3	56.6	54.0	43.3	40.3	19
16	8.0	53.2	50.6	39.2	36.2	18
20	9.0	51.6	49.0	37.2	34.2	17.5
25	10.1	50.0	47.3	35.3	32.3	17.0
31.25	11.4	48.4	45.7	33.4	30.4	16.5
62.5	16.5	43.4	40.6	27.3	24.3	14.0
100	21.3	39.9	37.1	23.3	20.3	12.0
200	31.5	34.8	31.9	17.2	14.2	9.0
250	35.9	33.1	30.2	15.3	12.3	8.0



High-Speed
Data Transfer



100% Copper
Conductor



Reliable
Performance



Easy
Installation

Q-FLX
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