



CAT6 HIGH GRADE 550MHZ

UTP CMR RATED

DESCRIPTION

Category-6, 23AG, UTP, 8C, Solid Copper
550MH, Riser Rated, PVC, Jacket 1000ft

FEATURES

- High-Performance Data Cable
- 550Mhz Bandwidth for Data Applications
- Category-6 Unshielded Twisted Pair
- 23AWG Solid Copper Conductors
- Easily Identified Color-Striped Pairs
- Exceeds TIA/EIA 568-C.2, ISO/IEC 11801
- Riser Rated PVC Jacket, CMR
- ETL Listed, RoHS Compliant
- 1000ft Pull Box

SKU: 060 SERIES

Technical Data

Rated Temperature	70°C
Rated Voltage	30V
Product Standard Certification	CMR
NVP	69%

Conductor

Solid Bare Copper

Size 23 AWG

Insulation PE

Average Thickness (mm) 0.22

Min. Point Thickness (mm) 0.19

Insulation Diameter (±0.10mm) 1.01

Twisted Pair Diameter (±0.01) 2.02

Separator PP

Assembly Diameter 5.00

Jacket PVC

Average Thickness (mm) 0.60

Min. Point Thickness (mm) 0.50

Outer Diameter (±0.10) 6.20

Rip Cord Yes

Color of Pairs

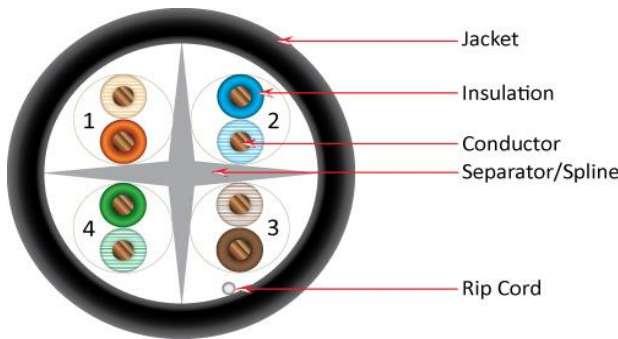
Pair 1	Blue, White-Blue
Pair 2	Orange, White-Orange
Pair 3	Green, White-Green
Pair 4	Brown, White-Brown

Mechanical Characteristics

Test Object	Jacket
Test Material	PVC
Before Tensile Strength (Mpa)	≥13.8
Aging Elongation (%)	≥100
Aging Condition (°Cxhrs)	100x168
After Tensile Strength (Mpa)	≥85% of unaged
Aging Elongation (%)	≥50% of unaged
Cold Bend (-20±2° Cx4hrs)	No Crack

Marking on Jacket

VERTICAL 4009208 c(ETL)us VERIFIED CMR FT4 UTP 4PR 23AWG
CAT6 550MHz TIAA/EIA-568C.2 & ISO/IEC 11801 2002 RoHS
V1684P10239 XXXFT(SEQUENTIAL FOOT MARKERS ON JACKET)



Jacket color available in

Black, Blue, Green, Gray, Orange, Pink, Purple, Red, White, Yellow



website: www.fastercables.com

phone: 866-954-8844



Specs subject to change with no notice

It is the sole responsibility of the user to have the most current specs

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PERFORMANCE

Electrical Characteristics:

1.0-100MHz Impedance (Ohms)	100±15
100-200MHz Impedance (Ohms)	100±25
200-350Mhz Impedance (Ohms)	100±35
1.0-350MHz Delay Skew (ns/100m)	<=45
Pair-to-Ground Capacitance Unbalance (pF/100m)	<=330
Max. Conductor DC Resistance 20°C (ohms/km)	93.8
Resistance Unbalance (%)	<=5

Frequency (MHz)	Return Loss (Min dB)	Attenuation Max	NEXT (ns/100m)
0.772	19.4	1.8	76.0
1	20.0	2.0	74.3
4	23.0	3.8	65.3
8	24.5	5.3	60.8
10	25.0	6.0	59.3
16	25.0	7.6	56.2
20	25.0	8.5	54.8
25	24.3	9.5	53.3
31.25	23.6	10.7	51.9
62.5	21.5	15.4	47.4
100	20.1	19.8	44.3
200	18.0	29.0	39.8
300	17.3	32.8	38.3
350	16.3	39.8	36.1
450	15.5	46.0	34.5
550	14.9	51.7	33.2

Frequency (Mhz)	PSNext (Min dB)	ELFEXT Min(db/100m)	Delay Max(ns/100m)
0.772	74.0	70.0	-----
1	72.3	67.8	570.0
4	63.3	55.8	552.0
8	58.8	49.7	546.0
10	57.3	47.8	545.0
16	54.3	43.7	543.0
20	52.8	41.8	542.0
25	51.3	39.8	541.0
31.25	49.9	37.9	540.0
62.5	45.5	31.9	538.0
100	42.3	27.8	537.0
200	37.8	21.8	536.0
300	36.3	19.8	536.0
350	34.1	17.1	
450	32.5	15.2	
550	31.2	13.2	