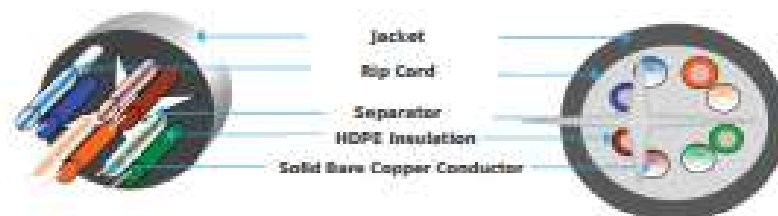


4PAIR 23AWG CAT6 UTP CABLE



APPLICATION

These structure cable suitable for Gigabyte Ethernet Applications and compatible with all known connection Systems, Ideal for high performance workstation applications including voice/data systems, Digital video, Broadband and Voice over internet protocol etc..

FEATURES

- ANSI/TIA 568 C.2 and ISO/IEC 11801-2nd Edition
- Cable Characterized up to 250 MHz
- Packing Pull out box
- Meet Fully Power Sum requirements

DESCRIPTION

Cat 6 UTP Data Cable Consists of 4 Pair PE Insulated 23AWG Solid Annealed Bare Copper Conductors, Cross Filler, Rip Cord and FRPVC Outer Jacket

CABLE CONSTRUCTION & CROSS-SECTION

Conductor	23 AWG Solid Bare Copper Conductor
Insulation	High Density Polyethylene, Diameter (0.95 ± 0.05mm)
Pairs	Two Insulated Conductors twisted together to form pair, lay ≤ 38
Twisting	4 Pairs laid together over X-Separator, lay length ≤ 130mm
Jacket	FRPVC
Colour	Grey
Cable Diameter	5.8 ± 0.3 mm

COLOUR CODE

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

ELECTRICAL CHARACTERISTICS (AT 20°C ON 100M CABLE LENGTH)

Conductor Resistance	Max 9.38 Ω /100m
Conductor Resistance Unbalance	Max 5 %
Mutual Capacitance	Max. 5.6 nF/100m
Capacitance Earth Unbalance	Max. 330 pF/100m
Insulation Resistance	Min. 5000 M. Ω m km
Characteristic Impedance (1-100 MHz)	100 $\pm$ 15 Ω
NVP	'69%
Propagation DeLay Skew 1-250 MHz	Max. 45 ns/100 m

TRANSMISSION CHARACTERISTICS

Freq (MHz)	Attenuation (dB) Max.	NEXT (dB) Min.	PSNEXT (dB) Min.	ACRF (ELFEXT) (dB) Min.	PSACRF [PSELFEXT] (dB) Min.	Return Loss (dB) Min.
1	2.1	65	62	63.3	60.3	19
4	4	63	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	43.3	40.3	19
16	8	53.2	50.6	39.2	36.2	18
20	9	51.6	49	37.2	34.2	17
25	10.1	50	47.3	35.3	32.3	17
31.25	11.4	48.4	45.7	33.4	30.4	17
62.5	16.5	43.4	40.6	27.3	24.3	14
100	21.3	39.9	37.1	23.3	20.3	12
200	31.5	34.8	31.9	17.2	14.2	9
250	36	33.1	30.2	15.3	12.3	8

MECHANICAL PROPERTIES

Bending Radius (fixed)	4 x overall diameter (min.)
Bending radius (Installation)	8 x overall diameter (min.)
Breaking strength	400 N (max.)
Maximum installation tension	110 N (max.)

THERMAL CHARACTERISTICS

Operating Temperature	-20°C to + 60°C
Installation Temperature	-0°C to + 50°C
Storage Temperature	-20°C to + 60°C

ORDERING INFORMATION

Part No	Description
DE-C6U4	Cat 6 23 AWG UTP FRPVC SHEATH SOLID CABLE - 305 M