

CAT.6 NETWORKING CABLE UTP

Enhanced performance cable for transmission of high speed data, digital and analogue voice and video (RGB) signals on LANs. Supports Gigabit Ethernet (1000 baseT) standard.

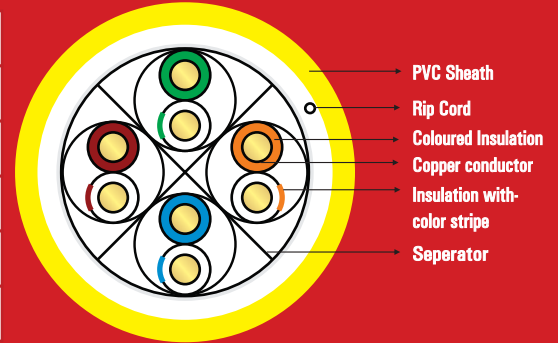
This cable will meet the requirements of ANSI/TIA-568-C.2 category6 ISO 11801 Class E ROHs compliant

Properties

HIGH SPEED • SAFETY • FLEXIBLE • DURABLE

CONSTRUCTION

Conductor	23 AWG Solid bare Copper (4 pair)
Insulation	High Density Polyethylene
Pairs	2 Insulated conductors twisted together
Sheath	FR-PVC Insulation thickness 0.2mm nominal
Cable Diameter	6.1mm nominal
Printing	Each meter printed with sequential Length Counter



ELECTRICAL PROPERTIES

Characteristic Impedance:	100±15Ω
Conductor Resistance:	< 9.38Ω/100m
Mutual Capacitance:	< 5.6nF/100m
Resistance Unbalance:	5% Max
Capacitance Unbalance:	330pF/100m
Delay Skew:	< 45nS
NVP (%):	69%

COLOR CODE

PAIR NO	COLOR
1-2	White-Orange Stripe and Orange
4-5	White-Blue Stripe and Blue
3-6	White-Green Stripe and Green
7-8	White-Brown Stripe and Brown

HIGH FREQUENCY ELECTRICAL PARAMETERS

FREQ (MHZ)	ATT (DB/100M) MAX.	NEXT (DB) MIN.	PS.NEXT (DB) MIN.	ACRF (DB@100 MIN.	PS.ACRF (DB@ 100 M) MIN	RETURN LOSS (DB/100M)
1	2.1	65.0	62.0	63.3	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

MECHANICAL PROPERTIES

Pulling Force: 11.5 Kg
 Operating Temperature Range: -20°C to +75°C
 Storage Temperature Range: -0°C to +50°C

PACKING

Reels of guaranteed 305m Length with spool

CHANDRESH CABLES LIMITED

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