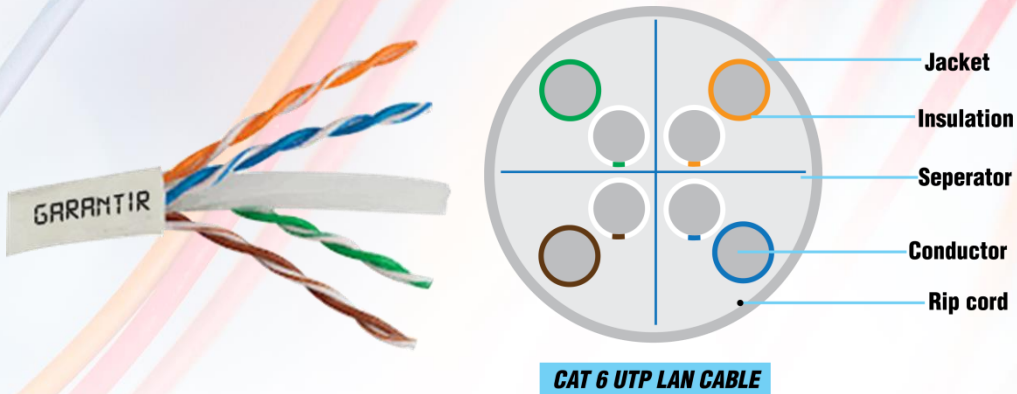




GARANTIR

### CAT6 24AWG UTP LAN CABLE



Garantir CAT6 UTP cable exceeds the EIA/TIA Category 6 performance by significant margins on all the parameters. Guaranteed performance in compliance with the most demanding LAN applications such as Gigabit Ethernet, 100Base-Tx, token ring, 155 Mbps ATM, 100 Mbps TPPMD, Broadband and Digital Video and Digital (VoIP) voice.

Garantir CAT6 UTP Cable is 24 AWG, 4-pair UTP, Non plenum, CMR rated with a FR PVC / LSZH jacket. Cable jacketing is lead free. Cable performance meets the ANSI/EIA TIA568-B.2.1, ANSI/EIA/TIA568-C.2 CAT6 250Mhz.

CONSTRUCTION	
Conductor	Solid Bare Electrolytic Grade Copper
Nominal Conductor Diameter	24 AWG (0.510 ± 0.015 mm)
Insulation	Polyethylene (HDPE)
Pairing	Twisted into Two core
No.of Pair	4, Each pair Twisted
<b>Color Code:</b>	
Pair #1	Orange-White with Orange
Pair #2	Brown-White with Brown
Pair #3	Blue-White with Blue
Pair #4	Green-White with Green
Outer Sheath material	PVC/ LSZH
Colour of Sheath	Grey
Approximate OD	5.7 ± 0.30 mm
Rip Cord	Yes
Sequential Marking	At Every Meter
Cross Filler	HDPE
Temperature Rating	-20 to + 60 °c
Packing	100/305 Mtrs in a Box

Physical Characteristics	
Installation Temperature	0 to +50°C
Storage Temperature	-20 to +75°C
Operating Temperature	-20 to +60°C

ELECTRICAL PARAMETER	
CONDUCTOR RESISTANCE (DC)	93.8Ω/1000 mtr @20°c Max
RESISTANCE UNBALANCE	5% Max
MUTUAL CAPACITANCE	5.6 nf/100 mtr Max
NVP	69%
IMPEDANCE	100 ± 15% Ω
Worst Cable Skew	45ns/100 mtr.



HIGH FREQUENCY ELECTRICAL PARAMETERS						
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	63.3	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

**ORDERING INFORMATION:**

Data Cable	
GT-CDC-UU-C624-PU-X	Garantir CAT-6 U/UTP 24AWG 4 Pair Cable PVC 305M
GT-CDC-UU-C624-LU-X	Garantir CAT-6 U/UTP 24AWG 4 Pair Cable LSZH 305M
X: Grey-GY, Blue-BL, Black-BK, White-WH, Red-RD, Yellow-YL	

Ver :1.0

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