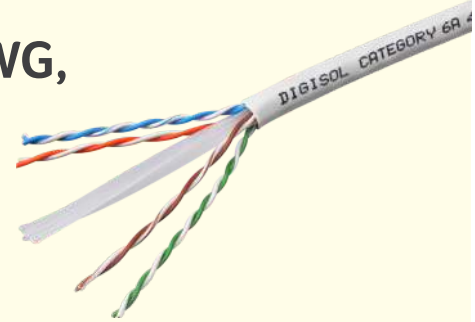




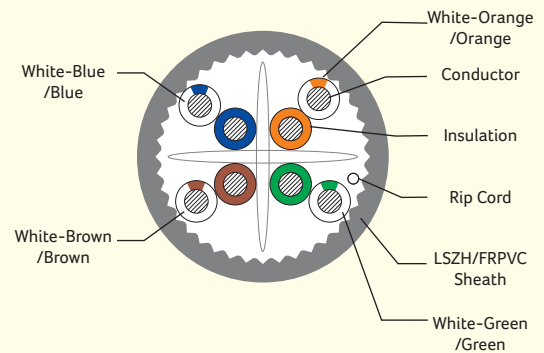
STRUCTURED CABLING SYSTEMS

DIGISOL Solid Cable, Cat6A UTP, 4 Pair, 23 AWG, Grey, 305m



Introduction:-

Digisol Cat 6a 4 Pair UTP Cable Has Been Designed for Horizontal Cabling Networks for Transmission of High Speed Data, Digital and Analog, Voice and Video Signals On Lans. Supports Gigabit Ethernet(10 GBase-T) Standard Suitable for Noisy Environments, High EMI Interference Surroundings and Complies to the Requirement of ANSI/TIA-568-C.2 and ISO/IEC 11801. Bandwidth Performance Upto 500mhz. UL Listed and ETL Verified.



Technical Specifications:-

Mechanical Properties:-

- Conductor : Solid Bare Copper
- Conductor Diameter : (23 AWG)
- Insulation : Polyethylene
- Pairs : 4 Pair Twisted together
- Sheath : FRPVC/LSZH sheath
- Cable Diameter : 7.10±0.30 mm
- Filler : HDPE
- Rip Cord : Yes
- Bending Radius : < 4X Cable Diameter at -20°C +/- 1°C
- Pulling Force : 25.35 LBS
- Operating Temperature : (-20°C to +70°C)
- Range
- Installation Temperature : (-20°C to +70°C)
- Range

- Delay Skew (For 100m) : 536 Ns
- Normal Velocity of Propagation (%) : 69%
- IMPEDANCE : 100±15%OHMS
- Worst Case cable skew (For 100m) : 45NS
- Flame Rating : CM
- Packing : 305 Mtrs. in Reel
- Standards : Confirming to EIA/TIA 568-C and IEC/ISO 11801
UL-ETL Verified to ANSI/TIA-568-C.2
RoHS Compliant

Color Code:-

- Pair Number : Color
- 1 - 2 : White-Orange Stripe and Orange
- 3 - 6 : White-Green Stripe and Green
- 4 - 5 : White-Blue Stripe and Blue
- 7 - 8 : White-Brown Stripe and Brown

Electrical Properties:-

- Conductor Resistance : 74.6 OHMS (For 1000m)
- Mutual Capacitance : 5.6 NF (For 100m)
- Resistance Unbalance (%) : Max 5
- Capacitance Unbalance : 330PF/100m Max (For 100m)



DIGISOL™



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Electrical Performance Parameters:-

Frequency MHZ	Insertion Loss (dB/100m)	Next Pair to Pair (dB/100m)	Next Power Sum (dB/100m)	ACRF (dB/100m)	Power Sum (dB/100m)	Return Loss (dB/100m)
1	2.3	65.0	62.0	63.3	60.3	19
4	4.2	63.0	60.5	51.2	48.2	19
8	5.8	58.2	55.6	45.2	42.2	19
10	6.5	56.6	54.0	43.3	40.3	19
16	8.2	53.2	50.6	39.2	36.2	18
20	9.2	51.6	49.0	37.2	34.2	17.5
25	10.2	50.0	47.3	35.3	32.3	17.0
31.25	11.5	48.4	45.7	33.4	30.4	16.5
62.5	16.4	43.4	40.6	27.3	24.3	14.0
100	20.9	39.9	37.1	23.3	20.3	12.0
200	30.1	34.8	31.9	17.2	14.2	9.0
250	33.9	33.1	30.2	15.3	12.3	8.0
300	37.4	31.7	28.8	13.7	10.7	7.2
400	43.7	28.7	25.8	11.2	8.2	6.0
500	49.3	26.1	23.2	9.3	6.3	6.0



Ordering Information:-

DGC-SCAU4F-3GB
DGC-SCAU4L-3GB

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