



DIGISOL Solid Cable, Cat6 SFTP, 4 Pair, 23AWG, Armoured Outdoor Cable

Introduction:-

CAT6 SFTP CABLE Consists of PE Insulated 23AWG Solid Bare Annealed Copper Conductors, Twisted 4 Pairs Laid up Over PE Separator, Overall Polyester tape, Overall AL-PET Foil (Mylar tape) & Braid Screen, Drain Wire, LSZH Inner Sheath, Steel Wire Armour and then Outer LSZH Sheath.

Key Features:-

- Meets ANSI/TIA- 568- C.2-2009 and ISO/ IEC 11801 – 2nd Edition
- Cable Tested upto 250Mhz
- Overall Mylar tape Screened core
- ATC overall braid with Drain wire
- Steel Wire Armour provides Excellent Mechanical protection
- Flame Properties: IEC 60332-1, IEC 60754-1&2 and IEC 61034

Technical Specifications:-

Construction Properties:-

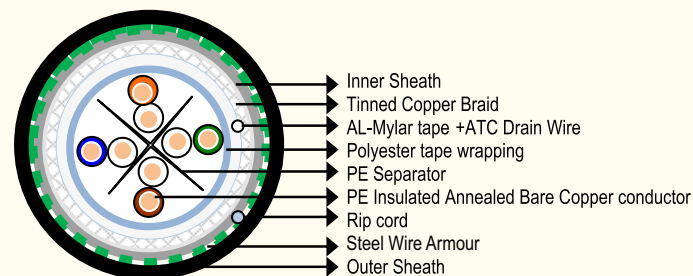
Conductor	: 23 AWG Solid Annealed Bare Copper Conductors
Insulation	: HDPE , Diameter-1.08+/-0.03mm
Twisting	: 4 pairs laid up over polyethylene cross separator
Wrapping	: Overall Polyester Tape
HF-Screening	: AL-PET Tape (Mylar)
Braiding	: Tinned copper conductor
Rip cord	: Rip cord, applied under the jacket
Inner Sheath	: LSZH Compound, Colour: Grey
Armour	: Steel Wire Armour
Outer Sheath	: LSZH Compound, Colour: Black
Cable Diameter	: 12.0 +/- 1.0mm

Color Code:-

Pair 1	: White-Orange Stripe and Orange
Pair 2	: White-Green Stripe and Green
Pair 3	: White-Blue Stripe and Blue
Pair 4	: White-Brown Stripe and Brown

Mechanical Properties:-

Bending radius	: 20 x Diameter (min.)
Pulling Force	: 11.5 Kg (max.)



Electrical Properties:-

Conductor Resistance @20°C	: Max. 93.8 Ω/Km
Conductor Resistance Unbalance	: Max. 5 %
Mutual Capacitance @1KHZ	: Max. 56 nF/Km
Insulation Resistance	: min. 5000 MΩ.km
High voltage	: 2.5 Kv DC/1 min
Capacitance Earth Unbalance	: Max. 3300 pF/km
Propagation Delay @ 1, 10, 100 & 250 MHz	: Max. 570, 545, 538 & 536ns/100m
Propagation DeLay Skew (1-250 MHZ)	: Max. 45 ns/100 m
Characteristic Impedance (1-250 MHZ)	: 100 ± 15Ω

Environmental Properties:-

Temperature Range	: -20°C up to +60°C
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Standard Length and Packing:-

Standard Length	: 305M OR as per customer request
Available Packaging	: Wooden drum

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TRANSMISSION CHARACTERISTICS:- (@20°C, 70M Channel, Fluke pass)

Frequency (MHZ)	Attenuation (dB) Max.	Next (dB) Min.	PSNEXT (dB) Min.	ACRF (ELFEXT) (dB) Min.	PSACRF (PSELFEXT) (dB) Min.	Return Loss (dB) Min.
1.0	2.1	65.0	62.0	63.3	60.3	19.0
4.0	4.0	63.0	60.5	51.2	48.2	19.0
8.0	5.7	58.2	55.6	45.2	42.2	19.0
10.0	6.3	56.6	54.0	43.3	40.3	19.0
16.0	8.0	53.2	50.6	39.2	36.2	18.0
20.0	9.0	51.6	49.0	37.2	34.2	17.5
25.0	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:-

Part Codes	Description
DGC-SC6SA4L-3GW	DIGISOL SOLID CABLE, CAT6 SFTP ARMD, 23AWG, BLACK 305M