



Application:

Premise Horizontal Cable, Gigabit Ethernet, 100BaseTX, 100BaseVG NTSC/PAL, Component or Composite Video, AES/EBU, Digital Video, RS-422, PoE



CAT6 UTP, 24AWG CU, WHITE LSZH, 305M

General

Cable Type	Category 6
Operating Frequency	250MHz
Conductor	Solid Copper
Number of Pairs	4
Isolation Material	HDPE
Isolation Color	Blue, White/Blue; Orange, White/Orange; Green, White/Green; Brown, White/Brown
Separator	Yes
Rip Cord	Yes
Jacket Material	LSZH
Jacket Color	White
Print	Black ink. legible, cannot be wiped off by fingers
Packing	305M Pull Box

Dimensions

Conductor diameter	24 AWG	0.020 in	
Isolation diameter	0.92 mm	0.036 in	
Diameter over jacket	5.60 mm	0.220 in	
Pull box	Length	390 mm	15.4 in
	Width	390 mm	15.4 in
	Height	230 mm	9.1 in

Environmental & Mechanical

Operating Temperature	-40°C to + 70°C	
Bend Radius	Dynamic	57.2 mm Min.
	Static	25 mm Min.
Pull Tension	25 lbs Max.	
UV Resistance	ASTM D4329-92 (720hours UL1581)	

Electrical

Transmission Standards	ANSI/TIA-568.2-D ISO/IEC 11801 Class E EN 50173-1	
Operating Voltage	80 V Max.	
Characteristic Impedance	100 ± 15 Ohms	
Conductor DC Resistance	89.0 Ohms / km	27.2 Ohms / kft
DC Resistance Unbalance	3 % Max.	
Dielectric Strength	1500 Vac 2500 Vdc Min.	
Mutual Capacitance	5.6 nF / 100m	1.7 nF / 100ft
Pair to Ground Capacitance Unbalance	160 pF / 100m	48 pF / 100ft
Velocity of Propagation	69 % Nominal	
Delay Skew	45 ns Max.	

Compliance

Applicable	RoHS2.0(2011/65/EU)
Reaction to fire	IEC 60332-1-2
	EN 50575:2014+A1:2016 EN 13501-6(Eca)
Warranty	3 years (indoor)



Proprietary information of SIGHTES TECHNOLOGY that may not be reproduced, disclosed or used for any purpose except under the authorized written consent of SIGHTES TECHNOLOGY and may be recalled at any time. Copyright 2022 SIGHTES TECHNOLOGY. All Rights Reserved Jul 13 2022