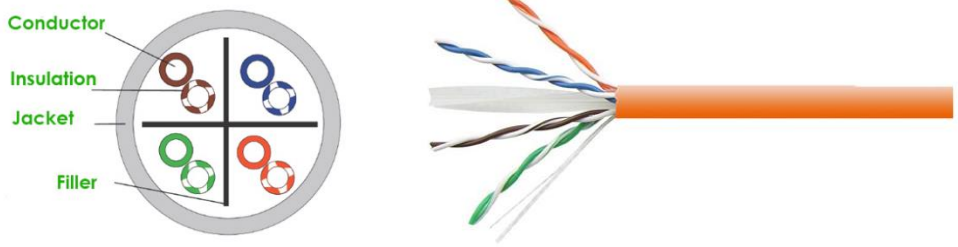
VOYGAR
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VOYGAR CAT6 UTP 23AWG, LSZH CABLE 305M, Orange
Ref: V160305325



Features

Characterized and tested to 250MHz
Positive PSACR up to 300MHz for future bandwidth requirements
Every master reel is tested to ensure electrical performance compliance
UL Listed
ETL / EC Verified

Physical Specifications

Conductor AWG	23
Conductor Size	0.57mm
Material	Solid Bare Copper
Insulators diameter	1.03+/-0.02 mm
Insulators material	PE
Jacket thickness	0.55 mm
Jacket material	LSZH
Jacket color	Orange

Dimensions

Cable Length	305
Diameter over Jacket, maximum	6.5 mm

Mechanical Specifications

Minimum bend radius during installation	8x outside dia.
Minimum bend radius after installation	4x outside dia.
Installation temp.	0 to 60°C
Operating temp.	-20 to 60°C
Storage temp.	-20 to 80°C

Electrical Specifications

ANSI/TIA Category	6
Impedance	100 Ω
Operating frequency, maximum	250 MHz
Propagation delay	536 ns/100 m Max. @ 250 MHz
Skew delay	45 ns/100 m Max. @ 250 MHz
Mutual capacitance	5.6 no Max./ 100 m
Conductor	6.65 Ω Max./100 m
Normal Velocity of Propagation NVP	65%

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TVL	30-10 log (f/100) dB
DC resistance	<9.38 Ω/100 m
DC resistance unbalance	5%

Installation Characteristics

Maximum pulling tension	90N
Minimum bend radius during installation	55mm
Minimum installed bend radius	27mm
Nominal weight	40 kg/km

Applications

IEEE 802.3: 1000BASE-T (Gigabit Ethernet), 100BASE-TX, 10BASE-T
ANSI/TIA/EIA-854: 1000BASE-TX
155 Mb/s, 1.2 Gb/s ATM
ANSI X3.263: 100 Mb/s
IEEE 802.3af DTE Power (POE)
4/16 Mb/s Token Ring
Digital Video
Broadband and Baseband Analog Video

Industry Specifications

ISO/IEC 11801:2002 Class E
TIA/EIA 568-B.2-1, TIA/EIA 568-C, TIA/EIA 568-C.2
IEC61156-5, IEC 60332-1, 60754-1, 60754-2, 61034-2
EN 50173-1, EN 50288-6-1
IEEE 802.3af and IEEE 802.3at for PoE applications
RoHS
UL

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