



CAT6 LSZH

Part Number

NVL-UTP-LSZH-06

Description

1.0-250.0MHz Impedance(ohms)
 Impedance delay screw(ns/100m)
 Pair to Ground Capacitance Unbalance (PF/100m)
 Conductor DC resistance 20%(ohms/km)
 Resistance Unbalance(%)
 Test object
 Test Material
 Before Tensile strength(Mpa)
 Aging Elongation (%)
 Aging condition(C x hrs)
 After Tensile strength(Mpa)
 Aging Elongation(%)
 Cold bend(-20±2°Cx24 hrs)

Electrical Performance (At 250MHz)

100±15
 <45
 330Max
 <73.2
 5
 jacket
 PVC
 ≥13.8
 ≥100
 100x240
 ≥85% of unaged
 ≥50% of naged
 No crock

CABLE DATA

Conductor	solid bare copper
AWG	23
Conductor Dia(mm) ±0.01-0.02mm	0.57
Insulation	PE
Average thickness(±0.03mm)	0.22
Min point thickness:	0.18
Insulation Dia(±0.03mm)	1.02
Twisting lay length(mm)	30 underneath
Cabling lay length (mm)	200 underneath
Jacket	LSZH/LSOH
Average thickness	0.5
Min point thickness	0.43
Outer Diameter (± 1.0mm)	6.0
Outer Jacket Diameter	8.3 mm ± 0.2 mm
Rip cord	YES
Weight Nom(kg/km)	42
Core color:	Blue-white/blue Orange-white/orange Green-white/orange Brown-white/brown
Sheath Color	LSZH: Orange

STANDARD COMPLIANCE

All Proposed Category 6 requirements as per ANSI/TIA/EIA, ISO/IEC, and CENELEC EN Standards, ANSI/TIA/EIA 568-B.2-1 CAT.6
 ISO/IEC 11801 CLASS E.2nd Edition
 IEC 61156-6
 CENELEC EN 50173-1, CENELEC EN 50288-5-1, CENELEC EN 50288-5-2
 Flame Retardancy is verified According to IEC 60331-1-2

APPLICATIONS

POTS.T1&T1 fractional,ISDN Basic&primary
 Rate.4/16 Mbps Token Ring(IEEE802.5).10BAST-T(IEEE 802.3),100Mbp TP-PMD.52/155Mbps ATM(ATM Forum), 100BAST-T4(fast Ethernet), 100 VG-AnyLAN (IEEE802.12),100 BAST-T(Fast Ethernet),1 Gbps Ethernet(IEEE 802.3)