



CAT5e SFTP PE

Part Number	Description	Electrical Performance (At 100MHz)
NVL-UTP-SFTP-5E	1.0-100.0MHz Impedance(ohms)	100±15
	Impedance delay screw(ns/100m)	<45
	Pair to Ground Capacitance Unbalance (PF/100m)	330Max
	Conductor DC resistance 20%(ohms/km)	<73.2
	Resistance Unbalance(%)	5
	Test object	jacket
	Test Material	PE
	Before Tensile strength(Mpa)	≥22
	Aging Elongation (%)	≥150
	Aging condition(C x hrs)	100x240
	Aging Period (*hrs)	100*24h*7d
	After Tensile strength(Mpa)	≥21
	Aging Elongation(%)	≥125
	Cold bend(-20±2°Cx24 hrs)	No crack
	Conductor Resistance	≤95 Ω/km at 20°C

CABLE DATA

Conductor	solid bare copper
AWG	24
Conductor Dia(mm)	0.51 ± 0.02
Insulation	PE
Outer Diameter	1.08 mm ± 0.05 mm
Outer Jacket Diameter	6.8 mm ± 0.2 mm
Average thickness	0.6 mm ± 0.05 mm
Tensile strength	110 N
Outer Jacket Color	Black
Pair Color	Pair 1, White-Blue/Blue Pair 2, White-Orange/Orange Pair 3, White-Green/Green Pair 4, White-Brown/Brown
Drain Wire	Yes (1/0.32CCA)
Rip Cord	Yes (250D*3)
Installation Temperature	-20→+75°C
Separator	No
Packing	Wooden Drum
Shielding	Foiled, Braided

ELECTRICAL PERFORMANCE

Spark Test	1050 V (AC)
Dielectric Strength	2500 V dc/3 seconds
Insulation Resistance	5000 MOhm km at 20°C
Capacitance	Max. 5600 pF/100m

APPLICATIONS

Voice, T1, ISDN
10BASE-T, 100BASE-T Fast Ethernet (IEEE 802.3),
100VG-anyLAN (IEEE802.12).
155/622 Mbps ATM
550 MHz Broadband Vedio
1000BASE-T Gigabit Ethernet