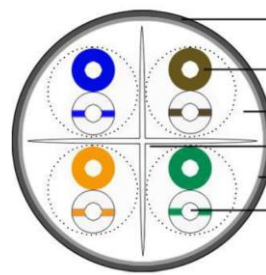




Double Jacket Outdoor Gel-Filled Cat 6 4-Pairs U/UTP Unshielded Cable



Jacket
Insulation
Jelly Filled
Central Separator
Inner Sheath
Conductor

DESCRIPTION	
Application :	10BASE-T,100BASE-TX,1000BASE-T
POE :	IEEE803.af, IEEE803 at,
Standards :	ISO 11801, TIA/EIA 568-C.2, EN50173 ,UL444
CONSTRUCTION & DIMENSION	
Conductor:	Material : Solid Bare Copper Size : 23 AWG x 4 Pair Construction : 0.572 ± 0.005mm
Insulation :	Material : HDPE Diameter : 1.07 ± 0.30 mm
Filler :	Material : LTDL-130602
Identification :	1. Blue x White / Blue 2. Orange x White / Orange 3. Green x White / Green 4. Brown x White / Brown
Core Assembly :	Core Twist : 2 core twists Assembly Pair : 4 pair assembly
Separator:	Material : PE
Inner Sheath :	Material : PVC Average Thickness : 0.40mm
Outer Jacket :	Material : PE Average Thickness 0.55mm Outer Diameter :7.2 ± 0.3mm

ELECTRICAL & PHYSICAL PROPERTIES								
FREQ	ATTN	NEXT	ACRF	RL	PS NEXT	PS ACRF	ELFEXT	PS ELFEXT
MHz	dB/100m	dB	dB/100m	dB	dB	dB/100m	dB	dB
1.0	2.0	74.3	67.8	20.0	72.3	64.8	67.8	64.8
4.0	3.8	65.3	55.8	23.0	63.3	52.8	55.8	52.8
8.0	5.3	60.8	49.7	24.5	58.8	46.7	49.7	46.7
10.0	6.0	59.3	47.8	25.0	57.3	44.8	47.8	44.8
16.0	7.6	56.2	43.7	25.0	54.2	40.7	43.7	40.7
20.0	8.5	54.8	41.8	25.0	52.8	38.8	41.8	38.8
25.0	9.5	53.3	39.8	24.3	51.3	36.8	39.8	36.8
31.25	10.7	51.9	37.9	23.3	49.9	34.9	37.9	34.9
62.5	15.4	47.4	31.9	20.7	45.4	28.9	31.9	28.9
100.0	19.8	44.3	27.8	19.0	42.3	24.8	27.8	24.8
200.0	29.0	39.8	21.8	16.4	37.8	18.8	21.8	18.8
250.0	32.8	38.3	19.8	15.6	36.3	16.8	19.8	16.8
Characteristic Impedance (1 - 100 MHz) :						100 ± 15Ω		
Characteristic Impedance (101 – 200 MHz) :						100 ± 18Ω		
Mean Characteristic Impedance (1 – 200 Mhz) :						100 ± 10Ω		
DC Resistance Unbalance,max. :						5%		
DC Loop Resistance :						150Ω/KM		
Conductor Resistance, max. @ 20°C :						9.38Ω/100m		
Capacitance Unbalance (Pair-to-Ground), max. :						330pF/100m		
Mutual Capacitance, max. :						5.6 nF/m		
Propagation Delay,max. :						45ns/100m		
Delay Skew, max. :						40ns/100m		
Elongation :						≥45%(PVC), ≥75%(PVC)		
Max Tensile Load (Installation) (Mpa) :						≥7.24(PVC), ≥7.24(PE)		
Thermal Shock Test (150°C) :						No Crack (PVC & PE)		
Cold Bend(-20+/-2°C x 4 hours) :						No Crack (PVC & PE)		

Part Number #	Description
301-6J00LG-05BL	Cat 6 Double Jacket (PVC-PE) Outdoor Gel-Filled 4 Pairs U/UTP Unshielded Cable, PVC,Black - 305m/reel