

Cat 6 Slimline Patch Cable

Part Number: N-11128-*xx-BK-C

*xx = Length in feet – 1,3,5,7,10,15,25



Construction

Conductor	Stranded Bare Copper
Four Twisted Pair	8 C
AWG	28
Construction (± 0.008 mm)	7/0.12 mm
Stranded Diameter	0.36 mm
Insulation	HD-PE
Nominal Thickness	0.2 mm
Insulation Diameter (± 0.05 mm)	0.61 mm
Jacket	LSZH
Flame Retardant	IEC60332-1
Nominal Thickness	0.5 - 0.6 mm
Outer Diameter (± 0.2 mm)	3.7 mm
Housing Material	Polycarbonate UL94V-0

Performance

ANSI/TIA - 568C ROHS	
250 V AC Maximum @ 2A	
Dielectric Withstanding 1000 V DC Minimum	< 0.5 A
Insulation Resistance 1000 V DC Minimum	> 500 mΩ
Conductor Resistance (20°C)	< 93.8 Ω /km
Contact Resistance	< 20 mΩ
Electrical Characteristics (20°C)	
Maximum Conductor DC Resistance (/km)	#26:93.8
Minimum Insulation Resistance (/km)	PE:100 m
Dielectric Strength	AC-500 V / 1 Min No Breakdown
DC Resistance	2% Unbalance Maximum
Pair-To-Ground Capacitance	330 PF / 100 m Unbalance Maximum
Input Impedance	4-100 MHz 100 ± 15Ω
Mean Characteristic Impedance @100 MHz	100 ± 5Ω
Nominal Velocity Of Propagation (NVP)	68 ± 2%
Propagation Delay @ 100 MHz	≥ 537.6 ns / 100 m
Propagation Delay Skew	≥ 45 ns / 100 m Maximum

Physical Properties

Insulation	
Tensile Strength Before Aging (kgf/mm2)	> 1.68
Elongation Before Aging	> 300%
Jacket	
Tensile Strength Before Aging (kgf/mm2)	> 1.41
Elongation Before Aging	> 100%
Insulation Shrinkback	121°C x 1 hr
Insulation Cold Bend	-20°C x 4 hr
Jacket Cold Bend	-20°C x 4 hr
Cable to Plug Tensile Strength	20 lbs (89 N) Minimum
Durability	> 750 Mating Cycles
Operating Temperature	-40°C to +125°C

