

Detailed Specification & Technical Data



C6A=114GY-xxFB

Category 6A UTP Assembly



PRODUCT OVERVIEW	-
Product Description	Category 6A 10G UTP Assemblies
Product Overview	<p>West Penn continues to set the standard for high-quality, high-performance patch cords with two series of category 6A patch cords. Our category 6A cords are 100% transmission tested to component performance as specified in ANSI/TIA-568-C.2. Assembled in a con-trolled environment using advanced manufacturing techniques to ensure consistent quality, these patch cords provide exceptional performance when mated with our category 6A Unscreened connecting hardware.</p> <p>West Penn category 6A Unscreened patch cords incorporate slim-profile snag-free boots, which protect the plug latch, and a flexible, but durable cable strain relief and are compatible with both T568A and T568B wiring schemes. Category 6A UTP patch cords are manufactured using ETL-verified stranded cable designed for greater flexibility and service life and are available in a variety of stan-dard lengths.</p>
Package Qty.	1
PRODUCT FEATURES	-
Features	<p>Meets ANSI/TIA-568-C.2 transmission performance specifications</p> <p>Meets IEEE 802.3an 10-Gigabit Ethernet transmission requirements</p> <p>100% factory transmission tested per ANSI/TIA-568-C.2 to ensure category 6A component level performance</p> <p>ETL verified unscreened 26 AWG stranded cable</p> <p>Rated for 750 plug insertions for high level system reliability</p> <p>Enhanced plug-to-jack connection integrity</p> <p>Seven standard lengths & six jacket colors</p> <p>Slim-profile & snag-free boot designed for the highest density applications</p>
SPECIFICATIONS & DIMENSIONS	-
Transmission Performance	ANSI/TIA/EIA-568-C.2: exceeds category 6A (1-500Mhz) Specs
Cordage	<p>Assembly: 4 pairs, 7 strands 26 AWG, UTP</p> <p>Insulation: High density polyethylene</p> <p>Plug Housing: UL listed 94V-0 flame retardant polycarbonate</p> <p>IDC Blades: Phosphor bronze, min 50 µin of gold plating over 100 µin of nickel in contact area</p> <p>Jacket:</p> <p>Dimensions: Diameter < 0.25 in (6.35 mm)</p> <p>Material: Flame retardant PVC compound</p>
Wiring Scheme	<p>ANSI/TIA/EIA-568-C.2: T568A & T568B</p> <p>ISO/IEC 11801 2nd Ed.: 8-position conductor/pair assignment (1-2/3-6/4-5/7-8)</p>
Physical Characteristics	<p>Retention: 50 N (11 lbf) for 60±5 s</p> <p>Mating cycle life: min 750 cycles</p> <p>Tensile strength: ≥ 20 N per wire</p>
Electrical/Optical Characteristics	<p>Insulation Resistance: Min 500 MOhm @ 100 Vdc</p> <p>Dielectric Withstanding Voltage: 1,000 Vdc/ac peak contact-to-contact @ 60 Hz for 1 min</p> <p>Contact Resistance: Max 20 mOhm</p> <p>Current Rating: Refer to downloadable spec sheet.</p>
Environmental Characteristics	<p>Operating Temperature: 14 °F to 140 °F (-10 °C to 60 °C)</p> <p>Storage Temperature: -40 °F to 158 °F (-40 °C to 70 °C)</p> <p>Operating RH: 93% Max (non-condensing)</p>
Warranty	<p>5-year limited component warranty</p> <p>10-year Signamax Link/Channel Warranty</p> <p>15-year Signamax Extended Component Warranty</p> <p>25-year Signamax Cabling System Warranty</p>
PRODUCT PARTS	-
C6A-114cc-xxFB	<p>Replace cc: Color BK, BU, GY, RD, WH, YE</p> <p>Replace xx: 3,7,10,15,20,25 ft</p>