

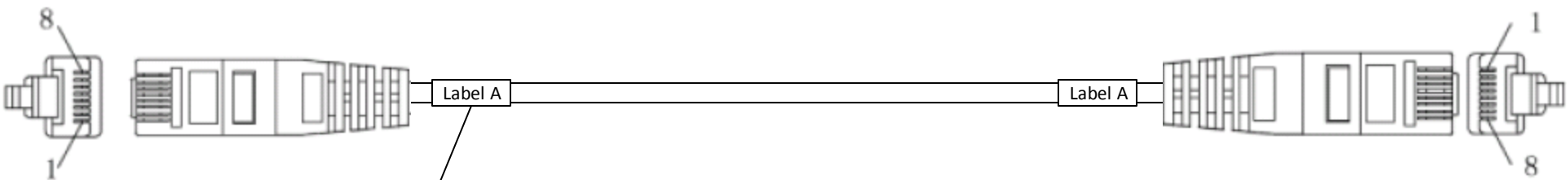
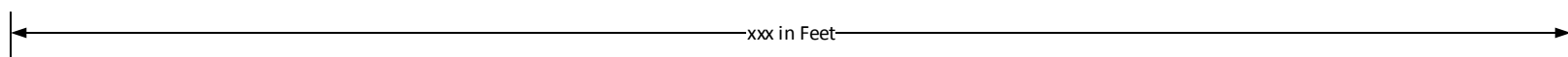
A

B

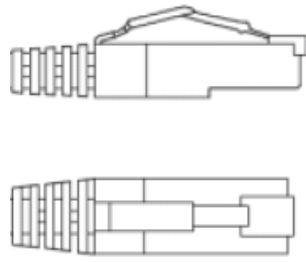
C

D

REV.	DESCRIPTION	DATE	BY
1	Initial Drawing	2/1/17	Charles



Label A (Optional)  
 Line 1: PROFIT™  
 Line 2: Length  
 Line 3 : Serial Number



**Industry Standard**

ANSI/TIA-568-C.2 Category 6  
 ISO 11801 Class E Edition 2.1  
 RoHs Compliant  
 Assembly Wired PER TIA/EIA 568B Sequence

**Construction**

Conductor Construction Bare Stranded Copper (≤100ft)  
 Bare Solid Copper Available (≥100ft)  
 Conductor Size 24AWG x 4 Pair  
 Insulation PE  
 Separator PE Cross (>15ft)  
 None (≤15ft)  
 Jacket 70P PVC  
 Outer Diameter 6.0±0.2mm  
 Connectors RJ45 Male 50 micron gold-plated

**MADE IN THE USA**

**Performance**

Dialectrical Strength AC-500V/1 min no breakdown  
 DC Resistance Unbalance 5% max  
 Pair to Ground Capacitance Unbalance 330pF/100m  
 Input Impedance 4-100MHz 100 ± 15ohm  
 Mean Characteristic Impedance 100±15ohm @ 4-100-250MHz  
 100±22ohm @ 100-250MHz  
 Nominal Velocity of Propagation (NVP) 68±2%  
 Propagation Delay ≥537.0ns/100m @ 100MHz  
 Propagation Delay Skew ≥45ns/100m max  
 Conductor Resistance <93.80/km/20°C max  
 Working Temperature -20°C~75°C  
 Rating 75°C, 300V

Color Chart	
Blue	BL
Black	BK
Gray	GY
Green	GN
Orange	OR
Pink	PK
Red	RD
White	WH
Yellow	YE

Part Number: PRO-6zyyU-xxxF  
 Z= Label (L)  
 yy = Color  
 xxx = Length



Unit: FT			
Approved: Charles Hoskins	02/1/17	Drawing Description	
Checked: Tom Hodson		ProFIT Ultra CAT6	
Drawing: Charles Hoskins	02/1/17	Part #:PRO-6zyyU-xxxF	
		Unless Otherwise Spec Tolerances 0.           +- 0.5 .0           +-0.3 .00          +-0.1	

A

B

C

D