

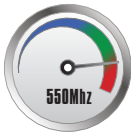
P/N: SC-BC3700XX

Cat6a UTP Indoor/Outdoor Rated, UL

Cat6a – Pro Series HDBaseT Enhanced 10GBASE-T, 600 MHz 23awg Solid BC 4PR UTP, ANSI/TIA-568.2-D, ISO/IEC 11801 Class Ea, EN50575 Dca-s3,d2,a3 PoE/PoH IEEE 802.3bt Type 3/4, UL CMR, UV Sun Res PVC JKT - 1000FT/305M Reel in Box



Higher Cooper Count



Maximum Performance



Indoor/Outdoor Rated



SimplyCable Grip™



UL Rated



Higher PoE Performance



Crush Resistant Box



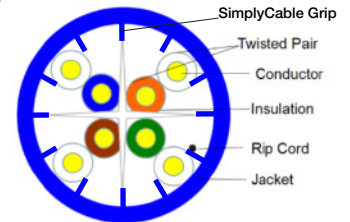
25 Year Certified System Warranty



Limited Lifetime Warranty

Construction

Cable Construction	U/UTP
Jacket Material/Rating	PVC-UV
Fire Safety Rating	CMR FT4
3rd Party Rated	UL c(UL)
Installation Type	Indoor/Outdoor UV Sun Res
Enhanced Tested Bandwidth	600 MHz
ISO/IEC 11801 Class Type	Class Ea
Transmission Standards	10G+
PoE Rating (IEEE 802.3af,at,bt)	90W Type 4
Wire Conductors	Solid BC
Wire AWG	23+ AWG
Conductor Insulation	HDPE
Pair Separator/Spline	Yes
Cable Overall Diameter (OD)	7.2mm (0.283 in)
Insulated Conductor OD	1.05mm (0.041in)
Packaging Type	Premium Reel-in-Box
Packaged Length (ft/m)	1000ft/305m
20 Free Connectors	S45-1720P



Key Features

- 600MHz Class Ea Bandwidth Performance
- PoE Rated Type 4 90W
- 3rd Party UL Verified
- Riser Rated - UL CMR FT4 / ETL CMR-LP
- 20 Free Connectors inside every box
- HDBaseT® Recognized
- SimplyCable Grip™
- Limited Power Certified
- Available in 9 colors:
- Premium Reel-in-Box
- Uses Wood/Cardboard Spool Inside Box, No Plastic
- Reinforced handles for improved performance
- UV Protected for Seamless Indoor/Outdoor Installs
- Strong, Lightweight, Resilient
- Color Coded to Visually Reinforce Category Cable Type
- Limited Lifetime Warranty*

*Details at www.simplybrands.com/warranties

- BK=Black ● BL=Blue, ● OR=Orange ● PUR=Purple ○ WT=White
- GY=Gray ● GN=Green ● RD=Red ● YL=Yellow

Mechanical Properties

Bend Radius	Min Bend Radius (Installation)	8x Outer Diameter
	Min Bend Radius (Operation)	4x Outer Diameter
Maximum Pulling Tension		
Insulation Tensile Strength	Unaged / Elongation %	12.3Mpa / 150%
		9.8Mpa / 100%
Jacket/Screen Tensile Strength	Unaged / Elongation %	13.8Mpa / 100%
	Aged / Elongation %	11.7Mpa / 50%
Cable Cold Bend (-20°C for 4 hrs)	No Crack	

Environmental Parameters

Temperature Range - Operating	-20°C to 75°C (-4°F to 167°F)
Temperature Range - Installation	0°C to 40°C (32°F to 104°F)
Temperature Range - Storage	0°C to 40°C (32°F to 104°F)

Environmental Compliance

RoHS Compliant: RoHS II/III, EU/UK RoHS
 REACH, WEEE Directive, WFD:2023, SCIP:2023, POPs (EU) No 2019/1021
 Reel-in-Box – Made with recyclable materials. No plastic.

⚠ California Prop 65 Warning – California Residents Only
 WARNING: This Product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. For more information: www.P65Warnings.ca.gov

Electrical Characteristics

Bandwidth per TIA Standard	500MHz	Capacitance Unbalance pair-to-ground	Max 3300 pf/km
Maximum Bandwidth as Tested	600MHz	Characteristic Impedance	100 +/- 15 Ohm
Conductor Resistance (at 20°C)	Max 72.2ohm/km	Nominal Velocity of Propagation % (NVP)	67-69
Dielectric Strength	Min AC1.5KV	Rated Voltage	Insulated 300V
Spark Test	5.0KV		Operating Low Voltage 80V
AC Leakage Current thru Jacket/Screen	na	Delay Skew	Max 40ns / 100m
Resistance Unbalance	Max 5%	PoE Rating	802.3bt Type 3/4 60W/90W
Insulation Resistance	min 5000MΩ.km	Transverse Conversion Loss (TCL)	30 – 10log(f / 100) @1-500MHz
Mutual Capacitance	5600pF/100m		

Standards Reference

Manufactured in Accordance to: ANSI/TIA 568.2-D, ISO/IEC 11801 Class Ea, EN 50288-5-1, ISO/IEC 61156-5, EN 50173-1, EN 50288-6-1, EN 50575

EN50575 CPR EuroClass: Dca-s3,d2,a3

Reaction to Fire: BS EN 13501-6; UL Riser Rated

Power Over Ethernet (PoE): IEEE 802.3bt Type 4 90W

Power Over HDBaseT (PoH): Yes

3rd Party Certification: UL CMR cUL FT4

Cable Jacket Markings

SIMPLY CABLE --- SC-BC3700 --- CAT6A UTP PROSERIES - ENHANCED 10GBASE-T 600MHZ UTP ANSI/TIA 568.2-D & ISO/IEC 11801 CLASS Ea----- STRUCTURED CABLE PRODUCTS E198134 SCP6 (UL) C(UL) CMR 4PR 23 AWG SOL BC -----ETL CMR-LP(0.5A) --- IEEE802.3bt TYPE 4 90W PVC JKT FT4 75C EU RoHS EC ZONE/DEVICE A B C D E 0 1 2 3 4 5 6 7 8 9 ***FEET DDMMYY

Above jacket markings are an example for reference purposes. All SimplyCable jacket markings include descending feet or meter markings and our industry leading zone and outlet legend for easy cable identification during installation.

Performance Data*

Bandwidth MHz	Attenuation Max (dB/100m)		NEXT Min (dB)		PS NEXT Min (dB)		ACR Min (dB)		RL Min (dB)		ELFEXT Min (dB)		PS ELFEXT Min (dB)		PSACR Min (dB)	
	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP	Standard	SCP
1	2.1	1.9	74.3	80.3	72.3	76.6	72.3	78.4	20	23.6	68	75.6	65	73.3	70.3	74.7
4	3.8	3.7	65.3	75.6	63.3	74.2	61.5	71.9	23	23.9	56	61.3	53	60.1	59.5	70.5
8	5.3	5.1	60.8	66	58.8	65.1	55.5	60.9	24.5	30	49.9	55.7	46.9	54.8	53.5	60
10	5.9	5.8	59.3	67.6	57.3	65.9	53.3	61.8	25	28.5	48	55.2	45	53.2	51.3	60.1
16	7.5	7.4	56.2	70.8	54.2	67.2	48.6	63.4	25	28.2	43.9	49.7	40.9	48.1	46.6	59.8
20	8.4	8.2	54.8	71.9	52.8	69.1	46.3	63.7	25	27.8	42	48.1	39	46.2	44.3	60.9
25	9.4	9.1	53.3	62.3	51.3	60.8	43.8	53.2	24.3	27.5	40	45.9	37	45	41.8	51.7
31.25	10.5	9.9	51.9	68.7	49.9	67.1	41.2	58.8	23.6	24.9	38.1	42.7	35.1	41.7	39.2	57.2
62.5	15	15	47.4	59.6	45.4	58.3	32	44.6	21.5	24.1	32.1	39.4	29.1	37.4	30	43.3
100	19.1	18.8	44.3	60	42.3	58	24.5	41.2	20.1	23.5	28	35	25	33.2	22.5	39.2
200	27.6	27.4	39.8	57.5	37.8	56	10.8	30.1	18	23.2	22	32.8	19	30.2	8.8	28.6
250	31.1	29.4	38.3	55.8	36.3	54.1	5.5	26.4	17.3	21.5	20	30.7	17	27.7	3.5	24.7
300	34.3	33.3	37.1	54.2	35.1	53.4	0.7	20.9	16.8	20.8	18.5	26.5	15.5	25.4	---	---
400	43	38.6	35.3	53.8	33.3	52.1	---	---	15.9	18.9	15.8	23.4	12.8	22.1	---	---
500	45.3	43.9	33.8	51	31.8	49.3	---	---	15.2	18.6	14	19.5	11	18.7	---	---

*SimplyCable Cat6 Premium Cables exceed industry transmission requirements at 20°C as per ANSI/TIA 568 and IEC 61156-5 Ed 2.

CATEGORY 6A

High Performance Networking Cable

SimplyCABLE™

PRO SERIES

Applications

Supports all Category 6a and Class Ea applications including structured cabling for horizontal and building backbone, Ethernet 10/100/1000/10GBASE-T, indoor use, fixed installations, Power Over Ethernet (PoE), and other high bandwidth applications.



Part Numbers

Item No.	UPC	Jacket Color	Package Length	Package Type	Package Weight (kg/lb)	Item Dimensions (mm)
North America:						
SC-BC3700BL	810093728572	Blue	1000ft/305m	Premium Reel in Box	40.7/18.5	383*323*435
SC-BC3700BK	810093728565	Black	1000ft/305m	Premium Reel in Box	40.7/18.5	383*323*435
SC-BC3700WT	810093728589	White	1000ft/305m	Premium Reel in Box	40.7/18.5	383*323*435
EU (EMEA):						
Not available at this time						

Recommended Products



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