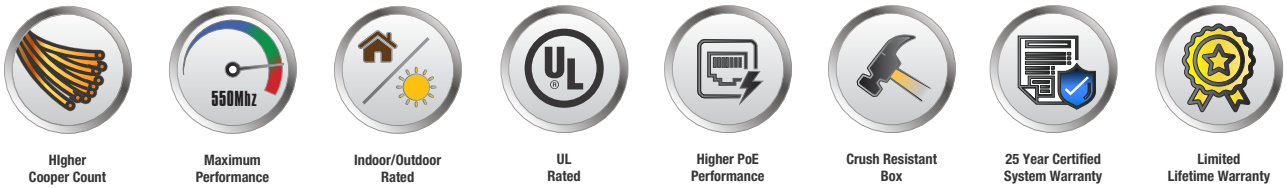
P/N: SC-BC3600XX

Cat6 UTP Indoor/Outdoor Rated, UL

Cat6 Pro Series Indoor/Outdoor HDBaseT 600MHz 23awg Solid BC, 4PR, UTP, ANSI/TIA 568-2.D, ISO/IEC 11801 Class E, IEEE 802.3bt Type 4 PoE 90W, UL CMR/FT4, EN50575 Dca-s3,d2,a3, UV Sun Res PVC Jkt – 1000ft/305m Box

Limited Power Certified

HDBT™ Recognized



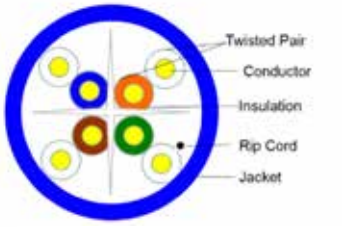
Higher Cooper Count | Maximum Performance | Indoor/Outdoor Rated | UL Rated | Higher PoE Performance | Crush Resistant Box | 25 Year Certified System Warranty | Limited Lifetime Warranty

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 E
Transmission Standards	1G/10G
PoE Rating (IEEE 802.3af,at,bt)	60W/90W Type 3-4
Wire Conductors	Solid BC
Wire AWG	23+ AWG
Conductor Insulation	HDPE
Pair Separator/Spline	Yes
Cable Overall Diameter (OD)	6.3mm (0.248 in)
Insulated Conductor OD	1.05mm (0.041in)
Packaging Type	Premium Reelex II Box
Packaged Length (ft/m)	1000ft/305m
20 Free Connectors	S45-1620P







Key Features

- 600MHz Class E Bandwidth Performance
- PoE Rated Type 3/4 60W/90W
- 3rd Party UL Verified
- Riser Rated - UL CMR FT4 / ETL CMR-LP
- 20 Free Connectors inside every box
- HDBaseT® Recognized
- Limited Power Certified
- Available in 9 colors:

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

- Premium Reelex II Tangle-Free Box
- 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*

Mechanical Properties

Bend Radius	Min Bend Radius (Installation) Min Bend Radius (Operation)	49.6mm 24.8mm
Maximum Pulling Tension	85N	
Insulation Tensile Strength	Unaged / Elongation %	16.0Mpa / 300%
Jacket/Screen Tensile Strength	Unaged / Elongation % Aged / Elongation %	13.8Mpa / 100% 13.8Mpa / 45%
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
Reelex II – Made with recyclable materials

⚠ 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

CATEGORY 6

High Performance Networking Cable

SimplyCABLE™ PRO SERIES

Electrical Characteristics

Bandwidth per TIA Standard	250MHz	**Capacitance Unbalance pair-to-ground**	330pf/100M
Maximum Bandwidth as Tested	600MHz	**Characteristic Impedance**	100 +/- 15
Conductor Resistance (at 20°C)	Max 72.2ohm/km	**Nominal Velocity of Propagation % (NVP)**	66%
Dielectric Strength	Min AC 1.5KV	**Rated Voltage**	Insulated 300V
Spark Test	5.0KV		Operating Low Voltage 80V
AC Leakage Current thru Jacket/Screen	1.5KV 50Hz 1min / 2.5KV 2s	**Delay Skew**	≤ 45ns / 100m
Resistance Unbalance	Max 5%	**PoE Rating**	802.3bt Type 3/4 60W/90W
Insulation Resistance	≥5000MΩ·km	**Transverse Conversion Loss (TCL)**	1~250MHz ≥ 40.0-10x1g (f)
Mutual Capacitance	≤56nF/km		

Standards Reference

Manufactured in Accordance to: ANSI/TIA 568.2-D, ISO/IEC 11801 Class E, 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 3-4 60W/90W

Power Over HDBaseT (PoH): Yes

3rd Party Certification: UL CMR cUL FT4

Cable Jacket Markings

SIMPLY CABLE --- SC-BC3600 --- CAT6 UTP PROSERIES - ENHANCED 600MHZ ANSI/TIA 568.2-D & ISO/IEC 11801 CLASS E------- STRUCTURED CABLE PRODUCTS E198134 SCP6 (UL) C(UL) CMR 4PR 23AWG SOL BC -------ETL CMR-LP(0.5A) --- IEEE802.3bt TYPE 3-4 60W/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	1.9	74.3	80.3	72.3	76.6	72.3	78.4	20	23.6	67.8	75.6	64.8	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	55.8	61.3	52.8	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	49.7	55.7	46.7	54.8	53.5	60
10	6	5.8	59.3	67.6	57.3	65.9	53.3	61.8	25	28.5	47.8	55.2	44.8	53.2	51.3	60.1
16	7.6	7.4	56.2	70.8	54.2	67.2	48.6	63.4	25	28.2	43.7	49.7	40.7	48.1	46.6	59.8
20	8.5	8.2	54.8	71.9	52.8	69.1	46.3	63.7	25	27.8	41.8	48.1	38.8	46.2	44.3	60.9
25	9.5	9.1	53.3	62.3	51.3	60.8	43.8	53.2	24.3	27.5	39.8	45.9	36.8	45	41.8	51.7
31.25	10.7	9.9	51.9	68.7	49.9	67.1	41.2	58.8	23.6	24.9	37.9	42.7	34.9	41.7	39.2	57.2
62.5	15.4	15	47.4	59.6	45.4	58.3	32	44.6	21.5	24.1	31.9	39.4	28.9	37.4	30	43.3
100	19.8	18.8	44.3	60	42.3	58	24.5	41.2	20.1	23.5	27.8	35	24.8	33.2	22.5	39.2
200	29	27.4	39.8	57.5	37.8	56	10.8	30.1	18	23.2	21.8	32.8	18.8	30.2	8.8	28.6
250	32.8	29.4	38.3	55.8	36.3	54.1	5.5	26.4	17.3	21.5	19.8	30.7	16.8	27.7	3.5	24.7
300	36.4	33.3	37.1	54.2	35.1	53.4	0.7	20.9	16.8	20.8	18.3	26.5	15.3	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	48.9	43.9	33.8	51	31.8	49.3	---	---	15.2	18.6	13.8	19.5	10.8	18.7	---	---
600	54.49	50.3	32.63	48.2	30.63	48.1	---	---	14.66	17.8	12.24	18.2	9.24	17.2	---	---

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

CATEGORY 6

High Performance Networking Cable

SimplyCABLE™ PRO SERIES

Applications

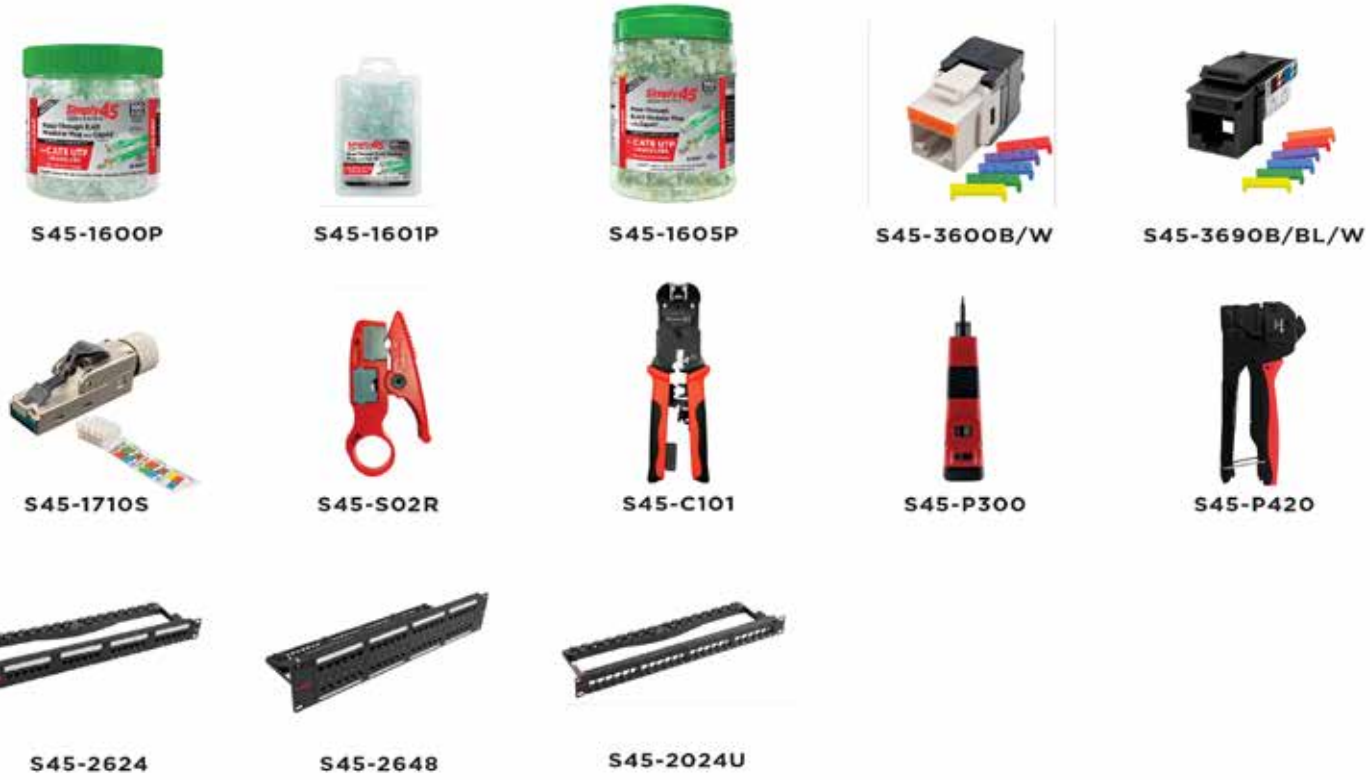
Supports all Category 6 and Class E applications including structured cabling for horizontal and building backbone, Ethernet 10/100/1000/10GBASE-T, indoor use, fixed installations, Power Over Ethernet (PoE), and other high bandwidth applications. HDBaseT Recognized.



Part Numbers

Item No.	UPC	Jacket Color	Package Length	Package Type	Package Weigth (kg/lb)	Item Dimensions (mm)
North America:						
SC-BC3600BL	810093728541	Blue	1000ft/305m	Premium Reelex II Box	31.526/14.3	410*280*390
SC-BC3600BK	810093728534	Black	1000ft/305m	Premium Reelex II Box	31.526/14.3	410*280*390
SC-BC3600WT	810093728558	White	1000ft/305m	Premium Reelex II Box	31.526/14.3	410*280*390
EU (EMEA):						
Not available at this time						

Recommended Products



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