



**Part Number:** 10GXW13

CAT6A 10GX Small Diameter (0.250"), 4pr, UTP, LS-PVC Jkt, CMP

### Product Description

0.250" Diameter Category 6A, 4 Pair, U/UTP-Unshielded, Plenum-CMP, Premise Horizontal Cable, 23 AWG Solid Bare Copper Conductors, FEP Insulation, Patented X-Spline & EquiBlock™ Technologies, Ripcord, Flamarrest® LS-PVC Jacket

### Technical Specifications

#### Product Overview

Suitable Applications:	Premise Horizontal Cable, 10 Gigabit Ethernet, Wireless, WIFI, In-Building Small Cells, Mobile RAN, 100BaseTX, 100BaseVG ANYLAN, 155ATM, 622ATM, NTSC/PAL Component or Composite Video, AES/EBU Digital Audio, AES51, RS-422, Noisy Environments, PoE, PoE Plus
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#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Pairs
23	Solid	BC - Bare Copper	4

Conductor Count:	8
Total Number of Pairs:	4

##### Insulation

Material
FEP - Fluorinated Ethylene Propylene

Bonded-Pair:	N/A
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##### Color Chart

Number	Color
1	White & Blue
2	White & Orange
3	White & Green
4	White & Brown

##### Outer Jacket Material

Material	Material Trade Name	Nominal Diameter	Ripcord
LS PVC - Low Smoke Polyvinyl Chloride	Flamarrest®	0.250 in	Yes

#### Electrical Characteristics

##### Conductor DCR

Max. Conductor DCR	Max. DCR Unbalance	Max DCR Unbalanced Between Pairs [%]
82 Ohm/km	3.0 %	5.0 %

##### Capacitance

Max. Capacitance Unbalance	Nom. Mutual Capacitance
45 pF/100m	17 pF/ft

##### Delay

Max. Delay	Max. Delay Skew	Nominal Velocity of Propagation (VP) [%]
537.6 ns/100m	45 ns/100m	69.0 %

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

Installation Temp Range:	0°C To +50°C
UL Temp Rating:	105°C
Storage Temp Range:	-20°C To +75°C
Operating Temp Range:	-20°C To +75°C

## Mechanical Characteristics

Bulk Cable Weight:	37 lbs/1000ft
Max Recommended Pulling Tension:	25 lbs
Min Bend Radius/Minor Axis:	1 in

## Standards

NEC/(UL) Specification:	CMP
CEC/C(UL) Specification:	CMP
ISO/IEC Compliance:	11801 ed 2.2 (2011) Class EA
CPR Euroclass:	Eca
ANSI Compliance:	S-116-732-2013 Category 6A, ANSI/NEMA WC-66 Category 6A
Telecommunications Standards:	ANSI/TIA-568.2-D Category 6A
IEEE Specification:	IEEE 802.3bt Type 1, Type 2, Type 3, Type 4
Other Specification:	Verified Channel/Category 6A
Other Standards:	C(UL)US CMP 105C

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	Yes
EU CE Mark:	Yes
EU REACH SVHC Compliance (yyyy-mm-dd):	2019-01-15
EU RoHS Compliance Date (yyyy-mm-dd):	2019-07-30
CA Prop 65 (CJ for Wire & Cable):	Yes

## Suitability

Suitability - Aerial:	No
Suitability - Burial:	No
Suitability - Hazardous Locations:	No
Suitability - Indoor:	Yes
Suitability - Non-Halogenated:	No
Suitability - Oil Resistance:	No
Suitability - Outdoor:	No
Suitability - Sunlight Resistance:	No

## Flammability, LS0H, Toxicity Testing

UL Flammability:	NFPA 262 Plenum (UL 910)
CSA Flammability:	FT6
ISO/IEC Flammability:	IEC 60332-1-2

## Plenum/Non-Plenum

Plenum (Y/N):	Yes
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## Part Number

Patent:	<a href="https://www.belden.com/resources/patents">https://www.belden.com/resources/patents</a>
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## Product Notes

Notes:	Print Includes Descending Footage/Meter Markings from Max. Put-Up Length to 0.
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## History

Update and Revision:	Revision Number: 0.18 Revision Date: 09-03-2019
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