

Product: 10GXW53

10GXW (0.265”) Category 6A Cable, 4 Pair, F/UTP, CMP

Product Description

10GXW Category 6A Enhanced Premise Horizontal Cable (500MHz), 4 Pair, 23 AWG Solid Bare Copper Conductors, F/UTP - Foil Shielded, Plenum-CMP, Flamarrest® PVC-LS Jacket

Technical Specifications

Product Overview

Suitable Applications:	Premise Horizontal Cable, Ethernet up to 10GBASE-T, Wi-Fi 6, Wi-Fi 5, Surveillance, HDBaseT, PoE++, PoE+, PoE, Noisy Environments
Patent:	This product has one or more applicable patents. More information on patents can be found at https://www.belden.com/patents.

Construction Details

Conductor

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

Insulation

Material	Color Code
FEP - Fluorinated Ethylene Propylene	White & Blue, White & Orange, White & Green, White & Brown

Outer Shield

Shield Type	Material	Coverage
Tape	Bi-Laminate (Alum+Poly)	100%

Outer Jacket

Material	Nom. Diameter
PVC - Polyvinyl Chloride	0.265 in (6.73 mm)

Electrical Characteristics

Electricals

Max. Conductor DCR	Max. Capacitance Unbalance
82 Ohm/km (25 Ohm/1000ft)	45 pF/100m

Delay

Max. Delay	Nom. Velocity of Prop.
537.6 ns/100m	69%

Voltage

UL Voltage Rating
300 V (CMP)

Mechanical Characteristics

Temperature

UL Temperature	Operating	Installation	Storage
105°C	-20°C To +75°C	0°C To +50°C	-20°C To +75°C

Bend Radius

Installation Min.
2.65 in (67.3 mm)

Max. Pull Tension:	25 lbs (11 kg)
Bulk Cable Weight:	37 lbs/1000 ft

Standards and Compliance

Environmental Suitability:	Plenum, Indoor
Flammability / Reaction to Fire:	NFPA 262 Plenum (UL 910), FT6
CEC / C(UL) Compliance:	CMP
ICEA Compliance:	S-116-732
IEEE Compliance:	IEEE 802.3bt Type 1, Type 2, Type 3, Type 4
NEMA Compliance:	ANSI/NEMA WC-66
Data Category:	Category 6A
TIA/EIA Compliance:	ANSI/TIA-568.2-D Category 6A
ISO/IEC Compliance:	ISO/IEC 11801-1, IEC 61156-5
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)

Product Notes

Notes:	Electrical values are expected performance based on cable testing and representative performance within a typical system.

History

Update and Revision:	Revision Number: 0.41 Revision Date: 04-29-2024

Part Numbers

Variants

Item #	Color	Putup Type	Length
10GXW53 0101000	Black	Reel	1,000 ft
10GXW53010Z1000	Black	ReelTuff Box	1,000 ft
10GXW53 D151000	Blue	Reel	1,000 ft
10GXW53D15Z1000	Blue	ReelTuff Box	1,000 ft
10GXW53 0081000	Gray	Reel	1,000 ft
10GXW53 0051000	Green, Dark	Reel	1,000 ft
10GXW53 0031000	Orange	Reel	1,000 ft
10GXW53 0021000	Red	Reel	1,000 ft
10GXW53 0071000	Violet	Reel	1,000 ft
10GXW53 0091000	White	Reel	1,000 ft
10GXW53009Z1000	White	ReelTuff Box	1,000 ft
10GXW53 0041000	Yellow	Reel	1,000 ft

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