

25 MHz

31.25 MHz

62.5 MHz

9.4 dB/100m

10.5 dB/100m

15.0 dB/100m

52.3 dB

50.9 dB

46.4 dB

43.0 dB

40.4 dB

31.4 dB

40.8 dB

38.9 dB

32.9 dB

24.3 dB

23.6 dB

21.5 dB

100 ± 15 Ohm

100 ± 15 Ohm

100 ± 15 Ohm

100 ± 10 Ohm

100 ± 10 Ohm

100 ± 10 Ohm

67.0 dB

67.0 dB

66.6 dB

51.2 dB

49.3 dB

43.3 dB

36.0 dB

35.1 dB

32.0 dB

7.0 dB

10GX Category 6A Enhanced Cable, 4 Pair, U/UTP, LSZH Polaci Description Conclusion Conclusion Polaci Description Conclusion Polaci Conclusion Polaci Conclusion Polaci Conclusion Polaci Conclusion		н <mark>и</mark> ц	Produ	ct: <u>100</u>	<u>GX24</u> ⊠								
100X Category 6A Enhanced Premise Horizontal Cable (825MHz), 4 Pair, 23 AWG Solid Bare Copper Conductors, UUUTP, Haloarrest® LSZH Jacket Solid Control Solid Control Solid Control Solid Control Solid Control Contro Control			10GX (Catego	ory 6A Enha	anced Ca	able, 4 Pair,	U/UTP, L	.SZH				
Material		•	l Premise H	orizontal C	Cable (625MHz), 4	Pair, 23 AWC	Solid Bare Coppe	er Conductors, L	J/UTP, Hal	oarrest® L	SZH Jacl	ket	
Material	Technical	Specifications	5				0.						
Suitable Application: Premie Horizontal Cable. Elhemet up to IGGRASE-T, HDBaseT, PGE*, PGE*		-											
Note and the construction patients. More information on patients in on patients in a financial management of a fi	Product OV	/erview											
Construction Details Construction Details Conductor Mode Standing Number of Pairs 20 Solid BC - Bare Copper 4 Insulation Material Color Code PO - Polyolefin (White/Bute Stripe & Bite, White/Orange Stripe & Green, White/Brown Stripe & Bitrown Bonder-Pair: No Outer Jack Material Staterial Material Material Material Material Trade Name Nom. Diameter Ripcord Double H Cross-Web (Pateriad Round-Flord); LS2H - Low Smoke Zoro Halogen (Flame Rotardam) Haloamestio 0 2035 in Yes Electrical Characteristics Electrical Characteristics Material Material Materiad Round-Flord); LS2H - Low Smoke Zoro Halogen (Flame Rotardam) Haloamestio 0 2035 in Yes Color Code Ros. Conductor DCR Max. DCR Unbalance Mar. ORK Unblanced Between Pairs (Y) Max. Capacitance Unbalance Nom. Mutual Capacitance 2 A Orm/100m S% §S 90 pfr100m 17 pFitt Nom Material Material Material Material Round-Flord) Max. DCR Unbalance Mar. ORK Unblanced Between Pairs (Y) Max. Capacitance Unblance Nom. Mutual Capacitance 2 A Orm/100m S% §S 95 90 pfr100m 17 pFitt Double H Forgum Max. Iteration Material Material Round-Flord) Max. Capacitance Unblance Orm/100 17 pfitt Max. Constructor DR Max. Deta Mar. Open Mar. Phace Mar. Phace Mar. Mar. Phace Mar. Phace Mar. Phace Mar. Phace Mar. Mar. Phace Mar. Mar. Phace Mar. Mar. Phace													
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Material Color Code PO - Polyolefin White/Blue Stripe & Blue, White/Orange Stripe & Orange, White/Orange Stripe & Orange Stripe & Orange, White/Orange Stripe & Orange, White/Orange St	Inculation					7							
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100 MITZ 7.5 06/100111 55.2 dB 47.8 dB 44.7 dB 25.0 dB 100 ± 15 0nm 100 ± 10 0nm 67.0 dB 55.1 dB 40.0 dB 10.9 dB													
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100 MHz	19.1 dB/100m	43.3 dB	24.2 dB	28.8 dB	20.1 dB	100 ± 15 Ohm	100 ± 10 Ohm	63.5 dB	39.2 dB	30.0 dB	
200 MHz	27.6 dB/100m	38.8 dB	11.2 dB	22.8 dB	18.0 dB	100 ± 22 Ohm	100 ± 10 Ohm	59.0 dB	33.2 dB	27.0 dB	
250 MHz	31.1 dB/100m	37.3 dB	6.3 dB	20.8 dB	17.3 dB	100 ± 32 Ohm	100 ± 10 Ohm	57.5 dB	31.2 dB	26.0 dB	
300 MHz	34.3 dB/100m	36.1 dB	1.9 dB	19.3 dB	16.8 dB	100 ± 32 Ohm	100 ± 10 Ohm	56.3 dB	29.7 dB	25.2 dB	
350 MHz	37.2 dB/100m	35.1 dB		17.9 dB	16.3 dB	100 ± 32 Ohm	100 ± 10 Ohm	55.3 dB	28.3 dB	24.6 dB	
400 MHz	40.1 dB/100m	34.3 dB		16.8 dB	15.9 dB	100 ± 32 Ohm	100 ± 10 Ohm	54.5 dB	27.2 dB	24.0 dB	
450 MHz	42.7 dB/100m	33.5 dB		15.7 dB	15.5 dB	100 ± 32 Ohm	100 ± 10 Ohm	53.7 dB	26.1 dB	23.5 dB	
500 MHz	45.3 dB/100m	32.8 dB		14.8 dB	15.2 dB	100 ± 32 Ohm	100 ± 10 Ohm	53.0 dB	25.2 dB	23.0 dB	
550 MHz	47.7 dB/100m	32.2 dB		14.0 dB	14.9 dB	100 ± 32 Ohm	100 ± 10 Ohm	52.4 dB	24.4 dB		
600 MHz	50.1 dB/100m	31.6 dB		13.2 dB	14.7 dB	100 ± 32 Ohm	100 ± 10 Ohm	51.8 dB	23.6 dB		
625 MHz	51.2 dB/100m	31.4 dB		12.9 dB	14.5 dB	100 ± 32 Ohm	100 ± 10 Ohm	51.6 dB	23.3 dB		
750 MHz	56.7 dB/100m	30.2 dB		11.3 dB	14.0 dB			50.4 dB	21.7 dB		
860 MHz	61.2 dB/100m	29.3 dB		10.1 dB	13.6 dB			49.5 dB	20.5 dB		

Voltage

UL Voltage Rating	Non-UL Voltage Rating
300 V RMS	300 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Mi
1.25 in	3.0 in
Max. Pull Tension	n: 25 lbs
Bulk Cable Weigl	ht: 35 lbs/10

Standards and Compliance

Environmental Suitability:	LSZH, Indoor, Non-Halogenated
Sustainability:	Product Lens™, Environmental Product Declaration (EPD) Available
Flammability / Fire Resistance:	IEC 60332-1-2
ICEA Compliance:	S-116-732-2013
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
Cenelec Compliance:	Segregation class according EN50174-2=a
CPR Euroclass:	Eca
European Directive Compliance:	EU Directive 2015/863/EU, EU Directive 2011/65/EU (ROHS II), EU Directive 2012/19/EU (WEEE), REACH: 2020-01-16
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	Verified Channel/Category 6A

Part Number

Plenum Number:	10GX13
Non-Plenum Number:	10GX12

Variants

ltem #	Color	Putup Type	Length	UPC/EAN
10GX24.10305	Black	Reel	305 m	8719605000224
10GX24.06305	Blue	Reel	305 m	8719605000156
10GX24 0061000	Blue	Reel	1,000 ft	612825061854
10GX24.08305	Gray	Reel	305 m	8719605000194
10GX24.08500	Gray	Reel	500 m	8719605125149
10GX24.07305	Purple	Reel	305 m	8719605000170
10GX24.07500	Purple	Reel	500 m	8719605000187
10GX24 0071000	Purple	Reel	1,000 ft	612825061830

10GX24.071000	Purple	Reel	1,000 m	8719605000163
10GX24.09305	White	Reel	305 m	8719605000200
10GX24.09500	White	Reel	500 m	8719605000217
10GX24 0091000	White	Reel	1,000 ft	612825061847
10GX24.04305	Yellow	Reel	305 m	8719605000149
10GX24 0041000	Yellow	Reel	1,000 ft	612825061861
10GX24.041525	Yellow	Reel	1,525 m	8719605173232

Product Notes

	No		Electrical values are expected performance based on cable testing and representative performance within a typical Belden system. Values above 625 MHz are for Engineering Information Only. 0.295" Cable Dimension per TIA 6@1 Equivalent Diameter. Print Includes Descending Footage/Meter Markings from Max. Put-Up Length to 0.
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History

Update and Revision: Revision Number: 0.466 Revision Date: 02-11-2021

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