

Up to 25% Space & Weight Savings

- 0.265" OD Category 6A cable (CMP)
- Improved shape for easier handling
- Durable, lightweight round construction

Optimized Electrical Performance

- Up to 10 dB of alien crosstalk headroom
- Exceeds TIA standards for full 100 m channels
- Superior crosstalk isolation and EMI suppression

Up to 25% Less Temperature Rise

- Delivers more than 100W from power source for 4-pair PoE
- More uniform heat dissipation and transfer
- Eliminates length de-rating up to 60°C

Industry Pathway Comparison

Product	Conduit				Basket Tray	Vert/Horiz Manager		J-Hook	Bundle
	3/4"	1"	2"	4"	4"Dx12"W	3"x1"	3"x3"	2"	OD (48)
10GXS CMP	4	6	24	107	431	27	82	46	2.16"
10GXS CMR	3	6	23	101	406	26	77	44	2.22"
10GX	3	5	19	86	347	22	66	37	2.40"
Competitor Average	3	4	18	82	329	21	62	35	2.47"

Pathway fill used: Conduit 40%, Basket Tray and Vert/Horiz Manager 50%, J-Hook 70%

10GXS Cable Electrical Performance

(at maximum TIA frequency, 500MHz)

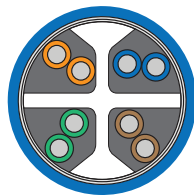
Parameter	TIA 568-C.2 Category 6A	10GXS	10GXS Min. Margin
Insertion Loss	45.3 dB	≤43.9 dB	3%
PSNEXT	31.8 dB	34.8 dB	3 dB
PSACR-F	10.8 dB	20.8 dB	10 dB
PSANEXT	52.0 dB	60.0 dB	8 dB
PSAACR-F	24.2 dB	34.2 dB	10 dB
Return Loss	15.2 dB	≥15.2 dB	Beyond Std

Key Applications

- 10GBASE-T Ethernet
- 1000BASE-T as well as 2.5G and 5G Ethernet
- PoE Type 1 (15W), Type 2 (30W), Type 3 (60W), Type 4 (100W)
- IEEE 802.11ac Wave 1 and Wave 2 High-Throughput Wi-Fi
- HDBaseT, Broadband (CATV) and High-Speed Internet (DOCSIS)

Patented EquiSpline™ Design

- Maintains equal distance between pairs and outer barrier along the cable to prevent noise coupling
- Retains more air space around individual pairs for better electrical performance
- Improves cable roundness and flexibility for easier handling during installation
- Ensures structural integrity for better electrical control, reliability and long-term installable performance
- Optimizes balance and consistent cable geometry for reduced bit error rates



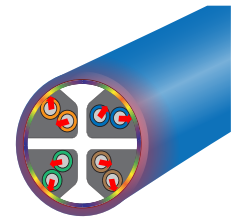
EquiSpline™ Design

Simplicity and Elegance in Design

- **Smaller Diameter:** Saves up to 25% on space and weight
- **Fewer Twists:** Easier to separate pairs for faster installation
- **Round Structure:** EquiSpline™ ensures structural integrity and maintains distance between pairs
- **Smaller Bend Radius:** Accommodates tighter spaces and workstations
- **Easier Tape Removal:** Easy to remove barrier tape for faster installation

EquiBlock™ Barrier Technology

- Improves heat transfer and achieves uniform heat flow dissipation to eliminate hotspots in cable bundles when delivering remote power
- Maintains low insertion loss at elevated temperatures to reduce length de-rating for improved PoE performance
- Blocks noise coupling and electromagnetic radiation by effectively surrounding the conductors with a Faraday cage
- Provides an electromagnetic barrier without concern for ground loops or needing to terminate a shield to ground
- Suppresses antenna effect caused by common mode ANEXT and EMI



EquiBlock™ Barrier Effects

For more information on 10GXS Cables call **1.800.BELDEN.1** (1.800.235.3361) or visit our web site at info.belden.com/10GXS.

Ordering Information

10GXS Category 6A, 4-pair, 23 AWG, Plenum-CMP

Description		Belden Part Number			
Color	Length	Nonbonded-Pair		Bonded-Pair*	
		Spool Package	Reel-in-Box Package	Spool Package	Reel-in-Box Package
Red	305 m (1000 ft)	10GXS13 0021000	10GXS13002A1000	10GXS33 0021000	10GXS33002A1000
Orange	305 m (1000 ft)	10GXS13 0031000	10GXS13003A1000	10GXS33 0031000	10GXS33003A1000
Yellow	305 m (1000 ft)	10GXS13 0041000	10GXS13004A1000	10GXS33 0041000	10GXS33004A1000
Green	305 m (1000 ft)	10GXS13 0051000	10GXS13005A1000	10GXS33 0051000	10GXS33005A1000
Blue	305 m (1000 ft)	10GXS13 D151000	10GXS13D15A1000	10GXS33 D151000	10GXS33D15A1000
Purple	305 m (1000 ft)	10GXS13 0071000	10GXS13007A1000	10GXS33 0071000	10GXS33007A1000
Gray	305 m (1000 ft)	10GXS13 0081000	10GXS13008A1000	10GXS33 0081000	10GXS33008A1000
White	305 m (1000 ft)	10GXS13 0091000	10GXS13009A1000	10GXS33 0091000	10GXS33009A1000
Black	305 m (1000 ft)	10GXS13 0101000	10GXS13010A1000	10GXS33 0101000	10GXS33010A1000

10GXS Category 6A, 4-pair, 23 AWG, Riser-CMR

Description		Belden Part Number			
Color	Length	Nonbonded-Pair		Bonded-Pair*	
		Spool Package	Reel-in-Box Package	Spool Package	Reel-in-Box Package
Red	305 m (1000 ft)	10GXS12 0021000	10GXS12002A1000	10GXS32 0021000	10GXS32002A1000
Orange	305 m (1000 ft)	10GXS12 0031000	10GXS12003A1000	10GXS32 0031000	10GXS32003A1000
Yellow	305 m (1000 ft)	10GXS12 0041000	10GXS12004A1000	10GXS32 0041000	10GXS32004A1000
Green	305 m (1000 ft)	10GXS12 0051000	10GXS12005A1000	10GXS32 0051000	10GXS32005A1000
Blue	305 m (1000 ft)	10GXS12 0061000	10GXS12006A1000	10GXS32 0061000	10GXS32006A1000
Purple	305 m (1000 ft)	10GXS12 0071000	10GXS12007A1000	10GXS32 0071000	10GXS32007A1000
Gray	305 m (1000 ft)	10GXS12 0081000	10GXS12008A1000	10GXS32 0081000	10GXS32008A1000
White	305 m (1000 ft)	10GXS12 0091000	10GXS12009A1000	10GXS32 0091000	10GXS32009A1000
Black	305 m (1000 ft)	10GXS12 0101000	10GXS12010A1000	10GXS32 0101000	10GXS32010A1000

10GXS Category 6A, 4-pair, 23 AWG, LSZH

Description		Belden Part Number			
Color	Length	Nonbonded-Pair		Bonded-Pair*	
		Spool Package	Reel-in-Box Package**	Spool Package	Reel-in-Box Package**
Blue	305 m (1000 ft)	10GXS24 0061000	Available	10GXS44 0061000	Available
Purple	305 m (1000 ft)	10GXS24 0071000	Available	10GXS44 0071000	Available
Gray	305 m (1000 ft)	10GXS24 0081000	Available	10GXS44 0081000	Available
White	305 m (1000 ft)	10GXS24 0091000	Available	10GXS44 0091000	Available

LSZH Available in Q4 2015

*Bonded-Pair available in Q2 2015

** Call for quote

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