

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)

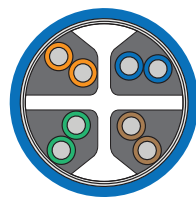
| Parameter | TIA 568-C.2 Category 6A | 10GXS | 10GXS Min. Margin |
|----------------|-------------------------|----------|-------------------|
| Insertion Loss | 45.3 dB | ≤43.9 dB | 3% |
| PSNEXT | 31.8 dB | 34.8 dB | 3 dB |
| PSACR-F | 10.8 dB | 20.8 dB | 10 dB |
| PSANEXT | 52.0 dB | 60.0 dB | 8 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 (15 W), Type 2 (30 W), Type 3 (60 W), Type 4 (90 W)
- 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



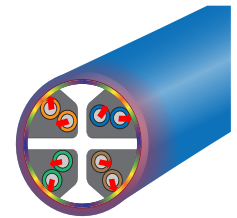
EquiSpline™ Design

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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