BELDEN

Outside Plant (OSP) Indoor/Outdoor (I/O) Cables

Belden outdoor cables extend Category 5e, 6 and 6A networks beyond controlled indoor environments. Two versions are available: OSP and indoor/outdoor (I/O). Belden's latest Dry Core Indoor/Outdoor plenum-rated cables eliminate the need to connect different cable types when crossing indoor and outdoor boundaries and are suitable for wet locations. OSP cables are available in gel-filled and gel-free designs that simplify termination at transition points with Belden's game-changing REVConnect® connectivity. No more sticky fingers! Whether protecting against flooding or moisture, extremely low temperatures or high degrees of sunlight, Belden's outdoor products defend against failure.

Benefits at a Glance

- Extends networks outdoors without performance concerns and eliminate transition points
- Supports fast, easy termination
- Resists sunlight/ultraviolet, abrasion and tearing for better performance
- Operates in conditions of up to -40 degrees C*

* Dry OSP cables handles -20°-degree C operating temperature

Key Features

- Dual-rated versions like CMR/CMX-Outdoor (I/O), OSP/CM-LS (I/O) and CMP/CMX-Outdoor (I/O)
- Specially formulated and more robust jackets
- CMR/CMX versions comply with:
  > ANSI/ICEA S-100-685
- Gel-filled OSP versions comply with:
  > ANSI/ICEA S-99-689
  > ANSI/ICEA S-107-704
  > Water Penetration Test

Key Applications

- 10GBASE-T (6A), 1000BASE-T (6A, 6, 5e), PoE Types 1, 2, 3, 4
- OSP & OSP/CM-LS (I/O) (gel-filled) and Dry OSP and Dry CMP/CMX - Wet locations, underground conduit, slab-on-grade conduit
- CMR/CMX-Outdoor (I/O) - Low temperature or high-sunlight environments - Indoor installations that require riser-rated cable
- Arena and stadium wireless systems, exterior camera and Wi-Fi installations

Ordering Information

Outside Plant (OSP) - UTP - Gel-Free		
Description	**Jacket**	**Belden Part Number**
Category 6A Premise Horizontal Cable, OSP Rated, 4 Pair, 23 AWG Solid Bare Copper Conductors, U/UTP, Gel-Free, Black Jacket, 1000 ft Reel	PE	DOSP6AU 0101000
Category 6 Premise Horizontal Cable, OSP Rated, 4 Pair, 23 AWG Solid Bare Copper Conductors, U/UTP, Gel-Free, Black Jacket, 1000 ft Reel	PE	DOSP6U 0101000

Indoor/Outdoor – CMP/CMX – Shielded UTP – Gel-Free		
Description	**Jacket**	**Belden Part Number**
Category 6 Premise Horizontal Cable, Indoor/Outdoor, 4 Pair, 23 AWG Solid Bare Copper Conductors, U/UTP, Plenum-CMP/CMX Outdoor, Gel-Free, Black Jacket, 1000 ft Reel	PVDF	IOP6U 0101000
Category 6A Premise Horizontal Cable, Indoor/Outdoor, 4 Pair, 23 AWG Solid Bare Copper Conductors, U/UTP, Plenum-CMP/CMX Outdoor, Gel-Free, Black Jacket, 1000 ft Reel	PVDF	IOP6AU 0101000

Ordering Information

Indoor/Outdoor – CMP/CMX – Shielded F/UTP – Gel-Free

Description	Jacket	Belden Part Number
Category 6 Premise Horizontal Cable, Indoor/Outdoor, 4 Pair, 23 AWG Solid Bare Copper Conductors, F/UTP - Foil Shielded, Plenum-CMP/CMX Outdoor, Gel-Free, Black Jacket, 1000 ft Reel	PVDF	IOP6F 0101000
Category 6A Premise Horizontal Cable, Indoor/Outdoor, 4 Pair, 23 AWG Solid Bare Copper Conductors, F/UTP - Foil Shielded, Plenum-CMP/CMX Outdoor, Gel-Free, Black Jacket, 1000 ft Reel	PVDF	IOP6AF 0101000

Outside Plant (OSP) – F/UTP - Gel-Free

Description	Jacket	Belden Part Number
Category 6A Premise Horizontal Cable, OSP Rated, 4 Pair, 23 AWG Solid Bare Copper Conductors, F/UTP - Foil Shielded, Gel-Free, Black Jacket, 1000 ft Reel	PE	DOSP6AF 0101000
Category 6 Premise Horizontal Cable, OSP Rated, 4 Pair, 23 AWG Solid Bare Copper Conductors, F/UTP - Foil Shielded, Gel-Free, Black Jacket, 1000 ft Reel	PE	DOSP6F 0101000

Indoor/Outdoor – OSP & CM-LS-UTP – Gel-Filled for Wet Locations

Description	Jacket	Belden Part Number
Category 6A, UTP, 4-pair, 23 AWG, Gel-Filled, Black, 1000 ft Reel	PE	2147A 0101000
Category 6, UTP, 4-pair, 23 AWG, Gel-Filled, Black, 1000 ft Reel	PE	2143A 0101000
Category 5e, UTP, 4-pair, 24 AWG, Gel-Filled, Black, 1000 ft Reel	PE	2137A 0101000

Indoor/Outdoor - OSP & CM-LS – Shielded F/UTP or Corrugated Tape – Gel-Filled for Wet Locations

Description	Jacket	Belden Part Number
Category 6A, F/UTP, Foil Shield, 4-pair, 23 AWG, Gel Filled, Black, 1000 ft Reel	PE	2141A 0101000
Category 6, F/UTP, Foil Shield, 4-pair, 23 AWG, Gel Filled, Black, 1000 ft Reel	PE	2140A 0101000

Indoor/Outdoor – CMR/CMX Outdoor – UTP – Sunlight Resistant

Description	Jacket	Belden Part Number
Category 6A, UTP, 4-pair, 23 AWG, Indoor/Outdoor, Black, 1000 ft Reel	PVC	2148A 0101000
Category 6, UTP, 4-pair, 23 AWG, Indoor/Outdoor, Black, 1000 ft Reel	PVC	2146A 0101000
Category 5e, UTP, 4-pair, 24 AWG, Indoor/Outdoor, Black or White, 1000 ft Reel	PVC	1594A 0101000 1594A 0091000

Indoor/Outdoor - CMR/CMX Outdoor - Shielded F/UTP - Sunlight Resistant

Description	Jacket	Belden Part Number
Category 6A, F/UTP, Foil Shield, 4-pair, 23 AWG, Indoor/Outdoor, Black, 1000 ft Reel	PVC	2142A 0101000
Category 6, F/UTP, Foil Shield, 4-pair, 23 AWG, Indoor/Outdoor, Black, 1000 ft Reel	PVC	2149A 0101000
Category 5e, F/UTP, Foil Shield, 4-pair, 24 AWG, Indoor/Outdoor, Black, 1000 ft Reel	PVC	2138A 0101000

Outside Plant (OSP) - UTP - Gel-Filled for Wet Locations

Description	Jacket	Belden Part Number
Category 6A, UTP, 4-pair, 23 AWG, OSP Gel-Filled, Black, 1000 ft Reel	PE	OSP6AU 0101000
Category 6, UTP, 4-pair, 24 AWG, OSP Gel-Filled, Black, 1000 ft Reel	PE	OSP6U 0101000
Category 5e, UTP, 4-pair, 24 AWG, OSP Gel-Filled, Black, 1000 ft Reel	PE	7997A 0101000

Outside Plant (OSP) - Shielded F/UTP - Gel-Filled for Wet Locations

Description	Jacket	Belden Part Number
Category 6A, 4-pair, 23 AWG, OSP Gel-Filled, Black 1000 ft Reel	PE	OSP6AF 0101000
Category 6, 4-pair, 23 AWG, OSP Gel-Filled, Black, 1000 ft Reel	PE	OSP6F 0101000