

BULLETIN

**Belden® DataTwist 5e+,
an unbonded, unshielded
twisted pair (UTP) cable,
provides enhanced
attenuation, NEXT,
ACR and Return Loss
performance up to 350 MHz.**

New DataTwist® 5e+: Enhanced 5e Performance Guaranteed to 350 MHz

With the continued introduction of higher-speed data applications such as Gigabit Ethernet that utilize bi-directional transmission, the need for higher-performance cables has become increasingly important. DataTwist 5e+ cables from Belden perform beyond the Category 5e standard with significant margins.

Enhanced Category 5e Performance

With tested and guaranteed performance up to 350 MHz, these Enhanced Cat 5e cables support all current and proposed applications utilizing Category 5e cable as specified by the TIA/EIA-568-B.2 standard. They are an efficient choice for such Cat 5e applications as Gigabit Ethernet, 155 Mbps ATM, 100BaseTx, 100 Mbps TP-PMD, ISDN, Token Ring and other high bandwidth applications.

DataTwist 5e+ cables provide enhanced attenuation, NEXT, ACR and Return Loss performance attributes up to 350 MHz, with guaranteed values detailed in Belden's product specification sheets.

DataTwist 5e+ is available in CMP (1501A), CM (1500A) and CMR (1500R) ratings. Both constructions are 4-pair UTP cables with 24 AWG solid bare copper conductors, rip cords and flexible jackets printed in two-foot intervals.

- > 1501A has FEP insulated conductors and a Flammarrest® jacket.
- > 1500A and 1500R have polyolefin insulated conductors and flexible PVC jackets.

Belden Quality

Belden cable is manufactured using the industry's highest standards of quality, with the most advanced equipment, systems, controls and processes. Belden has long been a pioneer in developing and implementing processes, such as statistical process control (SPC), that have become industry standards. Additionally, Belden was the first major designer and manufacturer of specialty wire and cable products to achieve ISO 9000 registration for the majority of our domestic and overseas facilities.

Additional Belden Enhanced Cat 5e Products

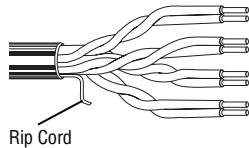
For additional pair and Return Loss stability during installation, see your local Belden Sales Representative about patented Bonded-Pair products such as DataTwist 350.

DataTwist® 5e+

Product Description

4-pair UTP cable, 24 AWG solid bare copper conductors, rip cord, flexible jacket. Jacket is sequentially marked at two-foot intervals. Supports applications intended for Category 5e type of cables such as 10BaseT, 100BaseT, 155 ATM and Gigabit Ethernet (1000BaseT).

Physical Characteristics



	Non-Plenum (1500A, 1500R)	Plenum (1501A)
Temperature Range:	-20 to +80°C	-20 to +75°C
Insulation Material:	Polyolefin	FEP Teflon®
Jacket Material:	PVC	Flamarrest®
Min. Conductor OD:	.020" (.51mm)	.020" (.51mm)
Min. Insulation OD:	.035" (.89mm)	.035" (.89mm)
Nominal OD:	.200" (5.08mm) (1500A) .204" (5.18mm) (1500R)	.200" (5.08mm)
Nominal Weight:	24.0 lbs./1000 ft. (1500A) (10.9 kg/km) 25.0 lbs./1000 ft. (1500R) (11.4 kg/km)	26.0 lbs./1000 ft. (11.8 kg/km)
Min. Bend Radius:	.800" (20.32mm)	.800" (20.32mm)
Max. Pulling Tension:	25 lbs. (11.4kg)	35 lbs. (15.9kg)
Applicable Specifications:	TIA/EIA-568-B.2 Cat 5e IEC 11801 Cat 5, UL 1581 (1500A) IEC 11801 Cat 5, UL 1666 (1500R)	TIA/EIA-568-B.2 Cat 5e IEC 11801 Cat 5, UL 910
Flame Rating and Test:	NEC: CM (1500A) CEC: CM FT1 NEC: CMR (1500R) CEC: CMR FT4	NEC: CMP CEC: CMP FT6



Jacket Colors

1500A, 1500R	1501A
Blue	Blue
Dark Gray	Gray
Red	Red
Orange	Orange
Yellow	Yellow
Green	Green
White	Natural

Color Codes

Pair No.	Color Combination
1	White/Blue Stripe & Blue
2	White/Orange Stripe & Orange
3	White/Green Stripe & Green
4	White/Brown Stripe & Brown

For More Information:

www.belden.com

Belden Electronics Division Technical Support 1-800-BELDEN-1 or 1-800-BELDEN-3