



New DataTwist® Limited Combustible Cables Offer Next Generation Fire Safety

NP 169

Belden's new

DataTwist® 5e -

1585LC and

DataTwist 350 -

1701LC cables

set a new

standard of

performance in

protection of

life, property,

and equipment.

Today's high-speed data communication demands higher performance cable. New DataTwist® Limited Combustible cables from Belden are easy to install and offer you the performance you need for the standards of tomorrow.

Belden has long had the foresight to develop products not just for today's standards, but tomorrow's, as well. Now we've developed cables to meet Underwriters Laboratories (UL) limited combustible cable standards. These Category 5e products provide excellent performance for data applications such as 10 Base T, 100 Base T, ATM, and Gigabit Ethernet.

Setting New Standards

Advances in information technology over the past decade have delivered tremendous benefits to society. However, a hidden hazard lurks in the accumulation and high concentrations of cables with combustible materials in the plenum spaces of buildings. That's why Belden is introducing new cables with the next generation of fire safety design.

Features and Benefits

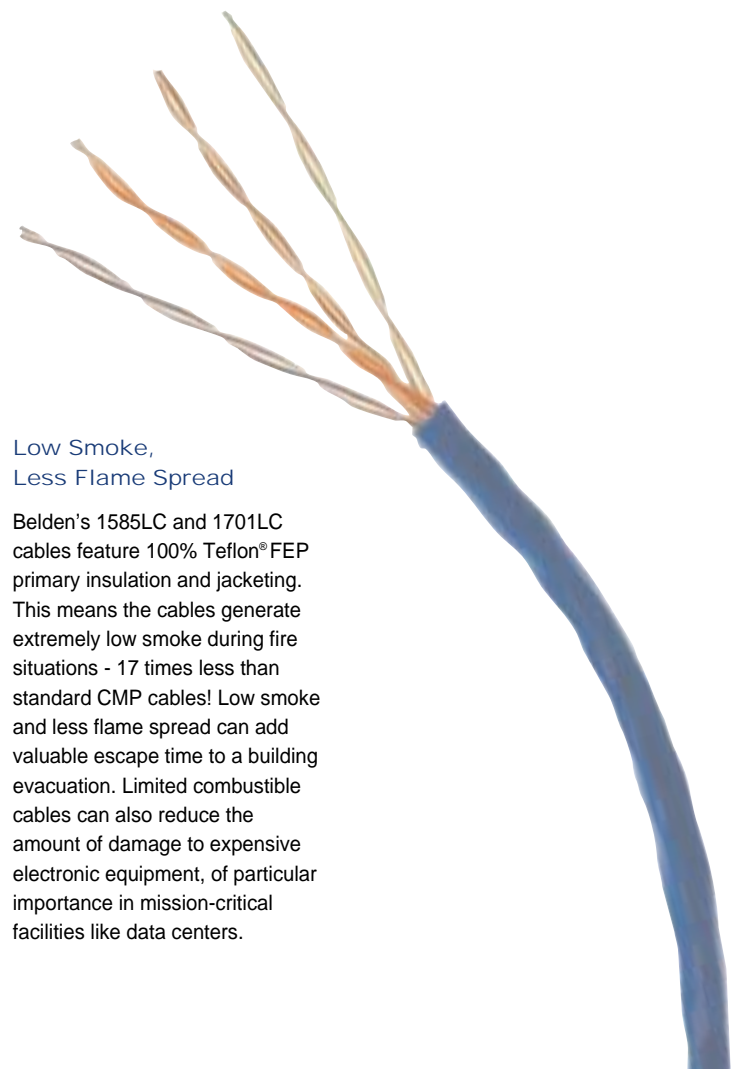
Belden's new DataTwist 5e -1585 LC and DataTwist 350 -1701LC cables comply with the UL Limited Combustible listing. The fluoropolymer jacketing on these cables withstands the effects of

heat and humidity and has significant oil and gas resistance, resulting in outstanding electrical performance over the life of the installation.

Belden's ability to apply the print legend directly on the cable jacket is a distinct visual advantage over competitors using printed tape beneath the jacket surface.

Available Now From Belden

DataTwist Limited Combustible products represent the future of cable for high-speed data applications, but are available today. You can take advantage of the latest data communications technology as it develops.



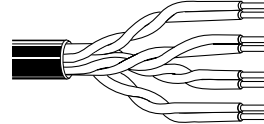
Low Smoke, Less Flame Spread

Belden's 1585LC and 1701LC cables feature 100% Teflon® FEP primary insulation and jacketing. This means the cables generate extremely low smoke during fire situations - 17 times less than standard CMP cables! Low smoke and less flame spread can add valuable escape time to a building evacuation. Limited combustible cables can also reduce the amount of damage to expensive electronic equipment, of particular importance in mission-critical facilities like data centers.



DataTwist® 5e 1585LC and DataTwist 350 1701LC

24 AWG
Solid Bare Copper



1585LC & 1701LC

Product Description

4 Pair UTP (unshielded twisted pair) cable, 24 AWG solid bare copper, FEP insulated singles, FEP jacket. Jacket is sequentially marked at two foot intervals. Supports current and future Category 5e applications such as 10 Base T, 100 Base T, ATM, and Gigabit Ethernet (1000 Base T).

Physical Characteristics	1585LC	1701LC
Temperature Range:	-40° to 150° C	-40° to 150° C
Insulation Material:	FEP Teflon®	FEP Teflon
Jacket Material:	FEP Teflon	FEP Teflon
Max. Pulling Tension:	35 lbs.	40 lbs.
Min. Conductor OD:	0.019 inch	0.020 inch
Min Insulation OD:	0.034 inch	0.035 inch
Nom. Weight/1000 ft.:	25.0 lbs.	25.0 lbs.
Min. Bend Radius:	0.5 inch	0.25 inch
Nom. Diameter:	0.184 inch	0.187 inch
Applicable Specifications:	TIA/EIA-568-B.2 Category 5e ISO/IEC 11801 Category 5	TIA/EIA-568-B.2 Category 5e ISO/IEC 11801 Category 5
Flame Rating and Test:	UL Type CMP Limited Combustible, UL 910 (NFPA-262), NFPA-259, UL 723 (NFPA-255), C(UL) Type CMP, CSA FT6	UL Type CMP Limited Combustible, UL 910 (NFPA-262), NFPA-259, UL 723 (NFPA-255), C(UL) Type CMP, CSA FT6

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

DataTwist 5e & DataTwist 350 cable comes in Belden's crate reel and Unreel® packaging.

1585LC	1701LC
006 Blue 009 White	006 Blue 009 White

For More Information:

Belden Electronics Division
Technical Support
1-800-Belden1 or 1-800-Belden3
www.belden.com

