

Introduction

Belden® paired cable products are manufactured in a variety of gage sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including Plenum and High-Temperature versions to meet the technical requirements of many different types of systems.

Paired cables allow balanced signal transmission, which results in lower crosstalk through common mode rejection. Due to the improved noise immunity of twisted pairs, they generally permit higher data speeds than multi-conductor cables.

As an aid to proper cable selection, both the suggested working voltages and the maximum temperature ratings are indicated for each applicable paired cable selection.

Most of our paired cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a paired cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Paired Cables Packaging

Belden's unique UnReel® cable dispenser is available for many of the paired cable products listed in this section. The letter "U" before the specified put-up length denotes UnReel packaging.


Unshielded

Audio, Control and Instrumentation Cables
Plenum-Rated


Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm

22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pairs

Plenum • FEP Insulation • Red FEP Jacket

	88442 NEC: CMP CEC: CMP FT6	1 Black & Red	100 500 [†] 1000 [†]	30.5 152.4 304.8	2.3 5.5 8.0	1.0 2.5 3.6	.006 .006 .006	.15 .15 .15	.012 .012 .019	.30 .30 .23	.102 .169 .200	2.59 4.29 5.08					
													2 Black & Red, Black & White	500 [†] 1000 [†]	152.4 304.8	8.0 16.0	3.6 7.3
													4 Black & Red, Black & White, Black & Green, Black & Blue	500 [†] 1000 [†]	152.4 304.8	14.0 28.0	6.4 12.7

Plenum • FEP Insulation • Natural Flamarrest® Jacket

	82442 NEC: CMP CEC: CMP FT6	1 Black & Red	U-1000 [†] 1000 [†]	U-304.8 304.8	9.0 8.0	4.1 3.6	.006 .006	.15 .15	.014 .014	.36 .36	.112 .179	2.84 4.55					
													2 Black & Red, Black & White	U-1000 [†] 1000 [†]	U-304.8 304.8	18.0 20.0	8.2 9.1
													3 Black & Red, Black & White, Black & Green	U-1000 [†] 1000 [†]	U-304.8 304.8	24.0 26.0	10.9 11.8
													4 Black & Red, Black & White, Black & Green, Black & Blue	1000 [†]	304.8	32.0	14.5
													6 Black & Red, Black & White, Black & Green, Black & Blue, Black & Yellow, Black & Brown	U-1000 [†] 1000 [†]	U-304.8 304.8	44.0 46.0	20.0 20.9

[†]Spools and/or UnReel® cartons are one piece, but length may vary ±10% for spools and ±5% for UnReel from length shown.