

## 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.

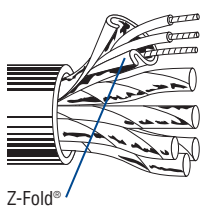
# Individually Shielded

## Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths		Standard Unit Weight		Nom. DCR		Nominal OD		Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance			
					Ft.	m	Lbs.	kg	Cond.	Shield	Inch	mm			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m

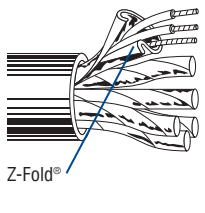
**20 AWG** Stranded (7x28) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 22 AWG Stranded TC Drain Wire

**Polypropylene Insulation • Overall Chrome PVC Jacket**

 <p>Z-Fold®</p>	<b>9873</b>	NEC:	3	See Chart 3	100	30.5	6.6	3.0	10.5Ω/M'	14.0Ω/M'	.341	8.66	50	66%	30	98	55	180
		CM			250	76.2	14.5	6.6	34.4Ω/km	45.9Ω/km								
		CEC:			(Tech Info	500	152.4	32.5	14.8									
		CM			Section)	1000	304.8	58.0	26.3									
	<b>9874</b>	NEC:	6	See Chart 3	100	30.5	10.3	4.7	10.5Ω/M'	11.3Ω/M'	.445	11.30	50	66%	30	98	55	180
		CM			250	76.2	29.0	13.2	34.4Ω/km	37.1Ω/km								
		CEC:			(Tech Info	500	152.4	56.5	25.7									
		CM			Section)	1000	304.8	113.0	51.3									
	<b>9875</b>	NEC:	9	See Chart 3	100	30.5	17.7	8.1	10.5Ω/M'	11.3Ω/M'	.555	14.10	50	66%	30	98	55	180
		CM			500	152.4	97.0	44.0	34.4Ω/km	37.1Ω/km								
		CEC:			(Tech Info	1000	304.8	187.0	88.4									
		CM			Section)													
	<b>9876</b>	NEC:	11	See Chart 3	1000	304.8	220.0	100.0	10.5Ω/M'	11.3Ω/M'	.600	15.24	50	66%	30	98	55	180
		CM							34.4Ω/km	37.1Ω/km								
		CEC:			(Tech Info													
		CM			Section)													
	<b>9877</b>	NEC:	12	See Chart 3	100	30.5	22.1	10.1	10.5Ω/M'	11.3Ω/M'	.617	15.67	50	66%	30	98	55	180
		CM			500	152.4	119.0	54.1	34.4Ω/km	37.1Ω/km								
		CEC:			(Tech Info	1000	304.8	237.0	107.7									
		CM			Section)													
	<b>9879</b>	NEC:	15	See Chart 3	500	152.4	146.0	66.4	10.5Ω/M'	11.3Ω/M'	.689	17.50	50	66%	30	98	55	180
		CM			1000	304.8	296.0	134.5	34.4Ω/km	37.1Ω/km								
		CEC:			(Tech Info													
		CM			Section)													

**18 AWG** Stranded (19x30) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil (100% Coverage) • 20 AWG Stranded TC Drain Wire

**Polypropylene Insulation • Chrome PVC Jacket**

 <p>Z-Fold®</p>	<b>9773</b>	NEC:	3	See Chart 3	100	30.5	10.8	4.9	6.4Ω/M'	8.3Ω/M'	.404	10.26	50	66%	30	98	55	180
		CM			500	152.4	52.5	23.8	21.0Ω/km	27.2Ω/km								
		CEC:			(Tech Info	1000	304.8	107.0	48.6									
		CM			Section)													
	<b>9774</b>	NEC:	6	See Chart 3	100	30.5	16.1	7.3	6.4Ω/M'	8.3Ω/M'	.560	14.22	50	66%	30	98	55	180
		CM			500	152.4	89.5	40.9	21.0Ω/km	27.2Ω/km								
		CEC:			(Tech Info	1000	304.8	176.0	80.8									
		CM			Section)													
	<b>9775</b>	NEC:	9	See Chart 3	100	30.5	25.8	11.7	6.4Ω/M'	8.3Ω/M'	.655	16.64	50	66%	30	98	55	180
		CM			500	152.4	123.0	55.8	21.0Ω/km	27.2Ω/km								
		CEC:			(Tech Info	1000	304.8	241.0	109.4									
		CM			Section)													
	<b>9776</b>	NEC:	12	See Chart 3	100	30.5	31.6	14.4	6.4Ω/M'	8.3Ω/M'	.735	18.67	50	66%	30	98	55	180
		CM			500	152.4	151.5	69.0	21.0Ω/km	27.2Ω/km								
		CEC:			(Tech Info	1000	304.8	307.0	139.4									
		CM			Section)													
	<b>9777</b>	NEC:	15	See Chart 3	100	30.5	38.8	17.6	6.4Ω/M'	8.3Ω/M'	.819	20.80	50	66%	30	98	55	180
		CM			500	152.4	194.0	88.1	21.0Ω/km	27.2Ω/km								
		CEC:			(Tech Info	1000	304.8	421.0	191.1									
		CM			Section)													

DCR = DC Resistance • TC = Tinned Copper

\*Capacitance between conductors.

\*\*Capacitance between one conductor and other conductors connected to shield.