

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.

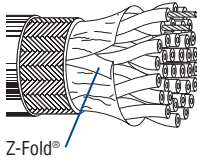
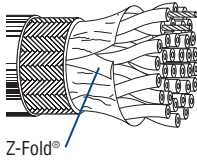
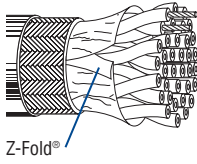
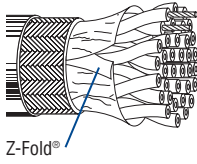
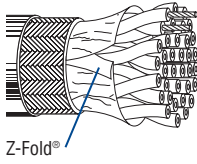
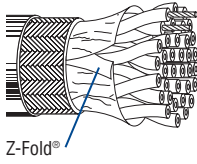
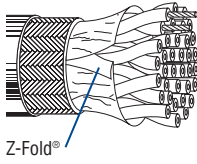
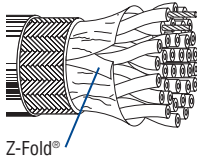
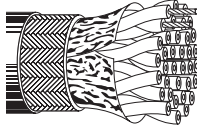
Most of our paired cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a paired cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

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.

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 Applications

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
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage)																		
Semi-rigid PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80°C) CSA AWM I A	8332	NEC:	2	See	100	30.5	4.1	1.9	24.0Ω/M'	5.4Ω/M'	.250	6.35	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	16.5	7.5	78.7Ω/km	17.7Ω/km								
		CEC:		(Tech Info Section)	1000	304.8	37.0	16.8										
		CMG FT4																
	8333	NEC:	3	See	100	30.5	4.8	2.2	24.0Ω/M'	6.6Ω/M'	.265	6.73	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	20.5	9.3	78.7Ω/km	21.7Ω/km								
		CEC:		(Tech Info Section)	1000	304.8	44.0	20.1										
		CMG FT4																
	8334	NEC:	4	See	100	30.5	5.3	2.4	24.0Ω/M'	4.5Ω/M'	.288	7.32	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	22.5	10.2	78.7Ω/km	14.8Ω/km								
		CEC:		(Tech Info Section)	1000	304.8	49.0	22.3										
		CMG FT4																
	8335	NEC:	5	See	100	30.5	6.0	2.7	24.0Ω/M'	4.6Ω/M'	.295	7.49	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	29.5	13.4	78.7Ω/km	15.1Ω/km								
		CEC:		(Tech Info Section)	1000	304.8	57.0	25.9										
		CMG FT4																
	8336	NEC:	6	See	100	30.5	6.5	3.0	24.0Ω/M'	4.7Ω/M'	.310	7.87	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	31.5	14.3	78.7Ω/km	15.4Ω/km								
		CEC:		(Tech Info Section)	1000	304.8	62.0	28.2										
		CMG FT4																
	8337	NEC:	7	See	100	30.5	6.8	3.1	24.0Ω/M'	4.7Ω/M'	.321	8.15	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	33.0	14.9	78.7Ω/km	15.4Ω/km								
		CEC:		(Tech Info Section)	1000	304.8	65.0	29.5										
		CMG FT4																
	8340	NEC:	10	See	100	30.5	9.1	4.1	24.0Ω/M'	3.5Ω/M'	.385	9.78	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	43.5	19.7	78.7Ω/km	11.5Ω/km								
		CEC:		(Tech Info Section)	1000	304.8	90.0	40.9										
		CMG FT4																
	8342	NEC:	12.5	See	100	30.5	11.0	5.0	24.0Ω/M'	3.6Ω/M'	.405	10.29	75	60%	30	98	50	164
		CMG		(12 pairs + 1 single) Chart 5	500	152.4	55.0	25.0	78.7Ω/km	11.8Ω/km								
		CEC:		(Tech Info Section)	1000	304.8	109.0	49.5										
		CMG FT4																
	8345	NEC:	15	See	500	152.4	61.5	28.0	24.0Ω/M'	3.2Ω/M'	.445	11.30	75	60%	30	98	50	164
		CMG		Chart 5	1000	304.8	123.0	55.9	78.7Ω/km	10.5Ω/km								
		CEC:		(Tech Info Section)														
		CMG FT4																
UL AWM Style 2464 (300V 80°C)	8348	NEC:	18	See	100	30.5	14.2	6.4	24.0Ω/M'	2.7Ω/M'	.480	12.19	75	60%	30	98	50	164
		CMG		Chart 5	500	152.4	78.5	35.8	78.7Ω/km	8.9Ω/km								
		CEC:		(Tech Info Section)	1000	304.8	152.0	69.3										
		CMG FT4																
	8355	NEC:	25	See	500	152.4	96.5	43.9	24.0Ω/M'	2.5Ω/M'	.550	13.97	75	60%	30	98	50	164
		CMG		Chart 5	1000	304.8	195.0	88.6	78.7Ω/km	8.2Ω/km								
		CEC:		(Tech Info Section)														
		CMG FT4																

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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