

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.

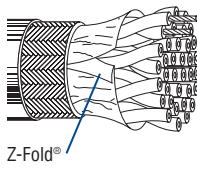
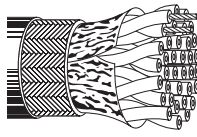
Most of our paired cables are available from stock. Many of these are available off the shelf from distributors. If you have a new or unusual application or you cannot find a paired cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

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		
22 AWG Stranded (7x30) Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage)																				
Semi-rigid PVC Insulation • Chrome PVC Jacket																				
 <p>UL AWM Style 2464 (300V 80°C)</p> <p>Z-Fold®</p>	8302	NEC:	2	See	100	30.5	4.5	2.0	15.0Ω/M'	5.7Ω/M'	.260	6.60	70	60%	40	131	72	236		
		CMG:		Chart 3	500	152.4	19.0	8.6	49.2Ω/km	18.7Ω/km										
		CEC:		(Tech Info Section)	1000	304.8	41.0	18.6												
			CMG FT4																	
		8303	NEC:	3	See	100	30.5	5.2	2.4	15.0Ω/M'	6.2Ω/M'	.270	6.86	70	60%	35	115	63	207	
	CMG:		Chart 3		500	152.4	25.5	11.6	49.2Ω/km	20.3Ω/km										
	CEC:		(Tech Info Section)		1000	304.8	48.0	21.8												
			CMG FT4																	
		8304	NEC:	4	See	100	30.5	6.7	3.0	15.0Ω/M'	4.9Ω/M'	.320	8.13	70	60%	35	115	63	207	
	CMG:		Chart 3		500	152.4	32.5	14.7	49.2Ω/km	16.1Ω/km										
CEC:	(Tech Info Section)		1000		304.8	65.0	29.5													
		CMG FT4																		
	8305	NEC:	5	See	100	30.5	7.2	3.3	15.0Ω/M'	4.8Ω/M'	.322	8.18	70	60%	35	115	63	207		
CMG:		Chart 3		500	152.4	35.0	15.9	49.2Ω/km	15.7Ω/km											
CEC:		(Tech Info Section)		1000	304.8	67.0	30.4													
		CMG FT4																		
	8306	NEC:	6	See	100	30.5	8.0	3.6	15.0Ω/M'	5.0Ω/M'	.348	8.84	70	60%	35	115	63	207		
CMG:		Chart 3		500	152.4	39.5	18.0	49.2Ω/km	16.4Ω/km											
CEC:		(Tech Info Section)		1000	304.8	79.0	35.8													
		CMG FT4																		
	8307	NEC:	7	See	100	30.5	8.6	3.9	15.0Ω/M'	5.0Ω/M'	.348	8.84	70	60%	35	115	63	207		
CMG:		Chart 3		500	152.4	42.0	19.0	49.2Ω/km	16.4Ω/km											
CEC:		(Tech Info Section)		1000	304.8	85.0	38.6													
		CMG FT4																		
	8308	NEC:	8	See	100	30.5	10.4	4.7	15.0Ω/M'	4.4Ω/M'	.384	9.75	70	60%	35	115	63	207		
CMG:		Chart 3		500	152.4	50.0	22.7	49.2Ω/km	14.4Ω/km											
CEC:		(Tech Info Section)		1000	304.8	101.0	46.0													
		CMG FT4																		
 <p>UL AWM Style 2464 (300V 80°C)</p>	8310	NEC:	10	See	100	30.5	11.1	5.0	15.0Ω/M'	4.1Ω/M'	.440	11.18	70	60%	35	115	63	207		
		CMG:		Chart 3	500	152.4	60.5	27.4	49.2Ω/km	13.4Ω/km										
		CEC:		(Tech Info Section)	1000	304.8	121.0	54.9												
			CMG FT4																	
		8312	NEC:	12	See	100	30.5	12.9	5.9	15.0Ω/M'	4.2Ω/M'	.455	11.56	70	60%	35	115	63	207	
	CMG:		Chart 3		500	152.4	72.0	32.8	49.2Ω/km	13.8Ω/km										
	CEC:		(Tech Info Section)		1000	304.8	140.0	63.8												
			CMG FT4																	
		8315	NEC:	15	See	100	30.5	15.7	7.1	15.0Ω/M'	3.8Ω/M'	.502	12.75	70	60%	35	115	63	207	
	CMG:		Chart 3		500	152.4	85.5	39.0	49.2Ω/km	12.5Ω/km										
CEC:	(Tech Info Section)		1000		304.8	167.0	76.1													
		CMG FT4																		
	8318	NEC:	18	See	100	30.5	17.7	8.0	15.0Ω/M'	3.0Ω/M'	.535	13.59	70	60%	35	115	63	207		
CMG:		Chart 3		500	152.4	97.5	44.2	49.2Ω/km	9.8Ω/km											
CEC:		(Tech Info Section)		1000	304.8	196.0	89.1													
		CMG FT4																		
	8325	NEC:	25	See	100	30.5	23.1	10.5	15.0Ω/M'	2.9Ω/M'	.620	15.75	70	60%	35	115	63	207		
CMG:		Chart 3		500	152.4	126.0	57.4	49.2Ω/km	9.5Ω/km											
CEC:		(Tech Info Section)		1000	304.8	246.0	112.1													
		CMG FT4																		

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.

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