케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Introduction

Belden® multi-conductor cables are manufactured in a wide variety of gage sizes, dimensions, insulation materials, shielding configurations, and jacketing materials including Plenum and High-Temperature versions. These cables meet the technical requirements of many different types of systems. In fact, Belden offers one of the broadest lines of UL Listed, NEC and CEC multi-conductor cables available from any single source.

Applications for multi-conductor cables include computers, communications, instrumentation, sound, control, audio, and data transmission. Each of these cables is designed to protect signal integrity under critical conditions by reducing hum, noise, and crosstalk.

To assist you in selecting the proper cable for your application, both the suggested working voltages and the maximum temperature ratings are indicated for each applicable product in this section.

Most of our multi-conductor 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 multi-conductor cable in this catalog section that meets your technical requirements, contact Technical Support at 1-800-BELDEN-1.

Multi-Conductor Cables Packaging

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

Selection Guide

Shielded Multi-Conductor Computer Cables for RS-232 Applications

Specifications		Cable Series* 9925	9608	9533	9939
Conductor Size: (AWG)	28				
	24	✓	✓	✓	
	22				✓
	20				
	18				
	Page No.	4.18	4.17	4.11	4.19
Insulation:	S-R PVC		✓	✓	✓
	Polyethylene				
	Polypropylene				
	Datalene®†	✓			
Shield:	Overall Foil			✓	
	Drain Wire	✓		✓	
	Overall Foil/Braid	✓	✓		✓
	Braid Coverage	65%	65%		65%
Drain Wire Overall:		Yes	No	Yes	No
No. of Cond. Available:	1				
	2				
	3	✓	✓	✓	✓
	4	✓	✓	✓	✓
	5	✓	✓	✓	✓
	6	✓	✓	✓	✓
	7	✓	✓	✓	✓
	8	✓	✓	✓	✓
	9	✓	✓	✓	✓
	10	✓	✓	✓	✓
	11				
	12				
	13				
	15	✓	✓	✓	✓
	17				
	18				
	19				
	20			✓	
	25	✓	✓	✓	✓
	27				
	30			✓	
	31				
	37	✓	✓		✓
	40			✓	
	50		✓	✓	✓
Capacitance ** (pF/ft.)		12.0	30.0	30.0	35.0

*All cables are UL-listed.
**Capacitance may vary on some cables.
†Foam high density polyethylene.

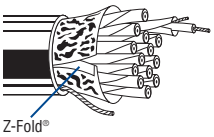
견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Overall Beldfoil® Shield

Computer Cable for Synchronous EIA Interface

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Imped. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance			
				Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield			* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
28 AWG Stranded (7x36) TC Conductors • Individually and Overall Beldfoil Shielded (100% Coverage) • 28 AWG Stranded TC Drain Wires																	
Datalene® Insulation • Gray PVC Jacket																	
UL AWM Style 2384 (30V 60°C)	**9868**	NEC: CM	14	1000	304.8	71.0	32.2	.394	10.01	64.9Ω/M′ 212.9Ω/km	Individual: 44.0Ω/M′ 144.4Ω/km Overall: 18.2Ω/M′ 59.7Ω/km	65	78%	—	—	20.5	67.3



Individually Beldfoil shielded conductors are isolated from adjacent shields and each has a 28 AWG stranded TC drain wire.

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Nominal capacitance conductor to conductor and shield.

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

Color Codes

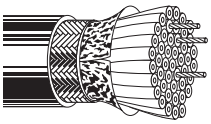
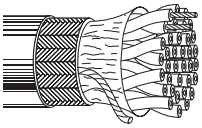
Cond. No.	Color
1	Black w/ Blue Shield
2	Brown w/ Blue Shield
3	Red w/ Blue Shield
4	Orange w/ Blue Shield
5	Blue w/ Blue Shield
6	Yellow w/ Blue Shield
7	Natural w/ Blue Shield
8	Black w/ Red Shield
9	Brown w/ Red Shield
10	Red w/ Red Shield
11	Orange w/ Red Shield
12	Blue w/ Red Shield
13	Yellow w/ Red Shield
14	Natural w/ Red Shield

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Overall Foil/Braid Shield

Computer Cables for EIA RS-232 Applications and IEEE 488 Interface,
Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Vel. of Prop.	Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield		* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
28 AWG Stranded (7x36) Tinned Copper Conductors • Overall Beldfoil® (100% Coverage) + Tinned Copper Braid Shield (65% Coverage)																	
Semi-rigid PVC Insulation • Chrome PVC Jacket																	
UL AWM Style 2464 (300V 80°C) CSA AWM I B FT4 	**9637**	NEC: CL2	25	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.2 30.0 59.0	2.8 13.6 26.8	.305	7.75	64.9Ω/M′ 212.9Ω/km	4.5Ω/M′ 14.8Ω/km	66%	30	98	50	164
Low Cap 28 AWG Stranded (7x36) TC Conductors • Overall Beldfoil (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire†																	
Datalene® Insulation • Chrome PVC Jacket																	
UL AWM Style 2919 (30V 80°C) VW-1 †28 AWG Stranded TC Drain Wire	**9791**	NEC: CL2	6	See Chart 1 (Tech Info Section)	500 1000	152.4 304.8	13.0 29.0	6.0 13.2	.225	5.72	64.9Ω/M′ 212.9Ω/km	6.15Ω/M′ 20.2Ω/km	78%	12	39.4	22	72.2
IEEE 488 • 26 AWG & 24 AWG Stranded (7x34 & 7x32) TC Cond. • Overall Beldfoil (100% Coverage) + TC Braid Shield (90% Coverage) • Drain Wire																	
Semi-rigid PVC Insulation • Gray PVC Jacket																	
UL AWM Style 2464 (300V 80°C) CSA AWM I A 	**9641**	NEC: CMG CEC: CMG FT4	23: (6) 26 AWG Pairs (10) 26 AWG Cond. (1) 24 AWG Cond.	See Chart 1 (Tech Info Section)	1000	304.8	82.0	37.4	.350	8.89	26 AWG: 37.3Ω/M′ 122.4Ω/km 24 AWG: 23.3Ω/M′ 76.4Ω/km	2.6Ω/M′ 8.5Ω/km	66%	—	—	—	—

TC = Tinned Copper

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

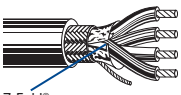
Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-423 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Nominal OD		Nominal DCR		Nom. Vel. of Prop.	Nominal Capacitance			
					Ft.	m	Lbs.	kg	Inch	mm	Cond.	Shield		* pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
24 AWG Stranded (7x32) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire††																	
Datalene® Insulation • Chrome PVC Jacket																	
UL AWM Style 2919 (30V 80°C)  Z-Fold®	**9925**	NEC: CM CEC: CM	3	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.5 12.0 24.0	1.6 5.5 10.9	.215	5.46	24.0Ω/M′ 78.7Ω/km	5.2Ω/M′ 17.0Ω/km	78%	12	39.4	22	72.2
	9927	NEC: CM CEC: CM	4	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.6 14.5 32.0	1.6 6.6 14.5	.230	5.84	24.0Ω/M′ 78.7Ω/km	5.3Ω/M′ 17.4Ω/km	78%	12	39.4	22	72.2
	9929	NEC: CM CEC: CM	5	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.0 16.0 36.0	1.8 7.3 16.3	.246	6.25	24.0Ω/M′ 78.7Ω/km	4.2Ω/M′ 13.9Ω/km	78%	12	39.4	22	72.2
	9931	NEC: CM CEC: CM	6	See Chart 1 (Tech Info Section)	100 500 1000 10000	30.5 152.4 304.8 3048.0	4.2 17.5 39.0 410.0	1.9 8.0 17.7 186.1	.265	6.73	24.0Ω/M′ 78.7Ω/km	4.4Ω/M′ 14.4Ω/km	78%	12	39.4	22	72.2
	9932	NEC: CM CEC: CM	7	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.5 18.5 41.0	2.0 8.4 18.6	.265	6.73	24.0Ω/M′ 78.7Ω/km	4.4Ω/M′ 14.4Ω/km	78%	12	39.4	22	72.2
	9933	NEC: CM CEC: CM	8	See Chart 1 (Tech Info Section)	100 500 1000 10000†	30.5 152.4 304.8 3048.0	4.9 21.0 46.0 480.0	2.2 9.6 20.9 217.9	.280	7.11	24.0Ω/M′ 78.7Ω/km	4.4Ω/M′ 14.4Ω/km	78%	12	39.4	22	72.2
	9934	NEC: CM CEC: CM	9	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.2 22.0 48.0	2.4 10.0 21.8	.300	7.62	24.0Ω/M′ 78.7Ω/km	3.9Ω/M′ 12.6Ω/km	78%	12	39.4	22	72.2
	9935	NEC: CM CEC: CM	10	See Chart 1 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.7 28.0 53.0	2.6 12.7 24.1	.306	7.77	24.0Ω/M′ 78.7Ω/km	3.2Ω/M′ 10.4Ω/km	78%	12	39.4	22	72.2
	9936	NEC: CM CEC: CM	15	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.2 35.0 68.0	3.3 15.9 30.9	.350	8.89	24.0Ω/M′ 78.7Ω/km	3.6Ω/M′ 11.7Ω/km	78%	12	39.4	22	72.2
	9937	NEC: CM CEC: CM	25	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.9 54.5 108.0	4.5 24.8 49.0	.445	11.30	24.0Ω/M′ 78.7Ω/km	2.8Ω/M′ 9.1Ω/km	78%	12	39.4	22	72.2
	9938	NEC: CM CEC: CM	37	See Chart 2R (Tech Info Section)	100 500 1000	30.5 152.4 304.8	12.9 71.5 139.0	5.9 32.5 63.1	.500	12.7	24.0Ω/M′ 78.7Ω/km	2.4Ω/M′ 7.8Ω/km	78%	12	39.4	22	72.2

†24 AWG Stranded TC Drain Wire

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Nominal capacitance conductor to conductor and shield.

††Final put-up may vary -10% to +20%. May contain two pieces, minimum length of any one piece is 1500 ft.

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Selection Guide

Shielded Multi-Pair Computer Cables
RS-232, RS-422, and RS-485 Applications*

Specifications		Cable Series**																	
		9804	8132	9829	8332	9501	8102	9729	8162	9990	9841	9680	9302◆	8302	8777	9873	9773	8132F0	1419A
Conductor Size: (AWG)	28	✓	✓															✓	
	24			✓	✓	✓	✓	✓	✓	✓	✓	✓							✓
	22												✓	✓	✓				
	20															✓			
	18																✓		
	Page No.	5.26	5.27	5.30	5.29	5.11	5.31	5.35	5.44	5.37	5.28	5.15	5.17	5.32	5.40	5.42	5.42	5.14	5.15
Insulation:	S-R PVC				✓	✓								✓					
	Polyethylene			✓						✓	✓	✓				✓	✓		
	Polypropylene	✓													✓				
	Datalene®†		✓				✓	✓	✓									✓	✓
Shield:	Overall Foil					✓						✓	✓					✓	✓
	Individual Foil							✓	✓	✓					✓	✓	✓		
	Overall Foil/Braid	✓	✓	✓	✓		✓		✓		✓			✓					
	Braid Coverage	90%	65%	65%	65%		65%		65%		90%			65%					
Drain Wire: (see key below)		●	●	●	×	●	●	▲	▲	▲	●	●	●	×	▲	▲	▲	●	●
No. of Pairs Available:	1					✓					✓								
	2	✓	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓				✓	✓
	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
	4	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓				✓	✓
	5	✓	✓	✓	✓	✓	✓		✓					✓				✓	✓
	6			✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓		✓
	7	✓		✓	✓	✓	✓		✓					✓					
	8		✓			✓	✓		✓					✓				✓	
	9	✓		✓		✓		✓		✓		✓	✓		✓	✓	✓		
	10			✓	✓	✓	✓		✓					✓					
	11							✓							✓	✓			
	12	✓		✓				✓		✓					✓	✓	✓		
	12.5		✓		✓		✓					✓		✓				✓	✓
	13	✓																	
	15				✓	✓	✓	✓	✓				✓	✓	✓	✓	✓		✓
	17							✓							✓				
	18	✓	✓	✓	✓		✓		✓					✓				✓	
	19					✓		✓					✓		✓				
	25	✓	✓	✓	✓	✓	✓		✓	✓				✓				✓	
	27							✓					✓		✓				
	31	✓																	
	37														✓				
	50					✓													
Capacitance†† (pF/ft.)		15.5	11.0	15.5	30.0	30.0	12.5	12.5	12.5	25.0	12.8	15.5	35.0	35.0	30.0	30.0	30.0	11.0	13.0

S-R = Semi-rigid

*Refer to specifications for recommendations.
**All cables are UL-listed.
†Foam high density polyethylene.
††Capacitance may vary on some cables.
◆Standard PVC Insulation, solid conductors.

Drain Wire Key:
● = Drain wire overall.
▲ = Drain wire each pair.
× = No drain wire.

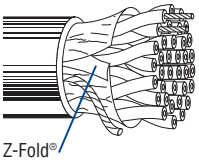
견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Overall Beldfoil® Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-485 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
28 AWG Stranded (7x36) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 28 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)	**8132F0**	NEC: CL2	2	See Chart 5 (Tech Info) Section)	500 1000	152.4 304.8	8.5 20.0	3.9 9.1	65.0Ω/M′ 213.0Ω/km	23.1Ω/M′ 75.8Ω/km	.215	5.46	120	78%	11.0	36.1	20.0	65.6
	8133F0	NEC: CL2	3	See Chart 5 (Tech Info Section)	500	152.4	11.0	5.0	65.0Ω/M′ 213.0Ω/km	23.1Ω/M′ 75.8Ω/km	.250	6.35	120	78%	11.0	36.1	20.0	65.6
	8134F0	NEC: CL2	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	13.5 31.0	6.1 14.1	65.0Ω/M′ 213.0Ω/km	20.0Ω/M′ 65.6Ω/km	.270	6.86	120	78%	11.0	36.1	20.0	65.6
	8135F0	NEC: CL2	5	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	14.0 32.0	6.4 14.5	65.0Ω/M′ 213.0Ω/km	20.0Ω/M′ 65.6Ω/km	.280	7.11	120	78%	11.0	36.1	20.0	65.6
	8138F0	NEC: CL2	8	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	22.0 42.0	10.0 19.1	65.0Ω/M′ 213.0Ω/km	17.7Ω/M′ 58.1Ω/km	.310	7.88	120	78%	11.0	36.1	20.0	65.6
	8142F0	NEC: CL2	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	27.5 54.0	12.5 24.5	65.0Ω/M′ 213.0Ω/km	17.7Ω/M′ 58.1Ω/km	.385	9.78	120	78%	11.0	36.1	20.0	65.6
	8148F0	NEC: CL2	18	See Chart 5 (Tech Info Section)	500	152.4	38.5	17.5	65.0Ω/M′ 213.0Ω/km	15.8Ω/M′ 51.8Ω/km	.445	11.31	120	78%	11.0	36.1	20.0	65.6
	8155F0	NEC: CL2	25	See Chart 5 (Tech Info Section)	500	152.4	42.0	19.1	65.0Ω/M′ 213.0Ω/km	14.3Ω/M′ 4.7Ω/km	.545	13.85	120	78%	11.0	36.1	20.0	65.6



DCR = DC Resistance • TC = Tinned Copper

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

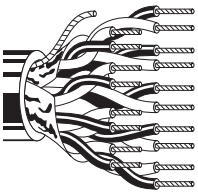
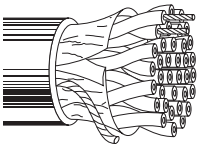
Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Overall Beldfoil® Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C) 	**9680**	NEC: CM CEC: CM	3	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	17.0 38.0	7.7 17.3	24.0Ω/M′ 78.7Ω/km	14.4Ω/M′ 47.2Ω/km	.282	7.16	100	66%	15.5	50.8	27.5	90.2
	9681	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	24.0 45.0	10.9 20.5	24.0Ω/M′ 78.7Ω/km	14.4Ω/M′ 47.2Ω/km	.307	7.80	100	66%	15.5	50.8	27.5	90.2
	9682	NEC: CM CEC: CM	6	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	29.5 56.0	13.4 25.5	24.0Ω/M′ 78.7Ω/km	13.1Ω/M′ 43.0Ω/km	.342	8.69	100	66%	15.5	50.8	27.5	90.2
	9683	NEC: CM CEC: CM	9	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	38.0 79.0	17.2 35.9	24.0Ω/M′ 78.7Ω/km	12.0Ω/M′ 39.4Ω/km	.397	10.10	100	66%	15.5	50.8	27.5	90.2
	9684	NEC: CM CEC: CM	12.5 (12 prs.+ 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	49.5 97.0	22.6 44.1	24.0Ω/M′ 78.7Ω/km	12.0Ω/M′ 39.4Ω/km	.445	11.30	100	66%	15.5	50.8	27.5	90.2
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C) 	**1419A**	NEC: CM CEC: CM FT1	2	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	13.5 30.0 310.0	6.1 13.6 140.9	24.0Ω/M′ 78.7Ω/km	15.1Ω/M′ 49.5Ω/km	.248	6.30	100	78%	13	42.7	22	72
	1420A	NEC: CM CEC: CM FT 1	3	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	15.0 34.0 340.0	6.8 15.5 154.5	24.0Ω/M′ 78.7Ω/km	15.1Ω/M′ 49.5Ω/km	.261	6.63	100	78%	13	42.7	22	72
	1421A	NEC: CM CEC: CM	4	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	16.5 37.0	7.5 16.8	24.0Ω/M′ 78.7Ω/km	14.4Ω/M′ 47.2Ω/km	.280	7.11	100	78%	13	42.7	22	72
	1422A	NEC: CM CEC: CM	5	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	23.0 43.0	10.5 19.5	24.0Ω/M′ 78.7Ω/km	14.4Ω/M′ 47.2Ω/km	.294	7.47	100	78%	13	42.7	22	72
	1423A	NEC: CM CEC: CM	6	See Chart 5 (Tech Info Section)	500 1000 10000	152.4 304.8 3048.0	25.0 48.0 500.0	11.4 21.8 227.3	24.0Ω/M′ 78.7Ω/km	13.0Ω/M′ 42.7Ω/km	.319	8.10	100	78%	13	42.7	22	72
	1424A	NEC: CM CEC: CM	12.5 (12 prs.+ 1 single)	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	43.0 85.0	19.5 38.6	24.0Ω/M′ 78.7Ω/km	13.0Ω/M′ 42.7Ω/km	.418	10.62	100	78%	13	42.7	22	72
	1425A	NEC: CM CEC: CM	15	See Chart 5 (Tech Info Section)	500 1000	152.4 304.8	53.0 99.0	24.1 45.0	24.0Ω/M′ 78.7Ω/km	11.2Ω/M′ 36.7Ω/km	.473	12.01	100	78%	13	42.7	22	72

DCR = DC Resistance • TC = Tinned Copper

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

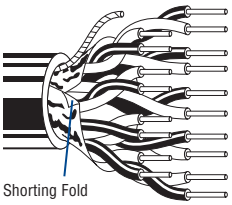
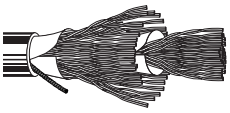
Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

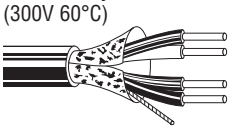
케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Overall Beldfoil® Shield

Audio, Control and Instrumentation Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Solid Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
PVC Insulation • Chrome PVC Jacket																		
UL AWM Style 2464 (300V 80ºC)  Shorting Fold	**9302**	NEC: CMG CEC: CMG FT4	2	See Chart 3 (Tech Info Section)	U-500 500 U-1000 1000	U-152.4 152.4 U-304.8 304.8	15.5 15.0 29.0 31.0	7.0 6.8 13.2 14.1	.013	.33	.032	.81	.244	6.20	35	115	50	164
	9305	NEC: CMG CEC: CMG FT4	4	See Chart 3 (Tech Info Section)	100 U-500 500 U-1000 1000	30.5 U-152.4 152.4 U-304.8 304.8	4.9 22.0 22.5 43.0 45.0	2.2 10.0 10.2 19.5 20.4	.013	.33	.032	.81	.265	6.73	35	115	50	164
	9306	NEC: CMG CEC: CMG FT4	6	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	31.5 62.0	14.3 28.2	.013	.33	.032	.81	.315	8.00	35	115	50	164
	9309	NEC: CMG CEC: CMG FT4	9	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	44.5 86.0	20.2 39.1	.013	.33	.033	.84	.363	9.22	35	115	50	164
	9315	NEC: CMG CEC: CMG FT4	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	67.0 133.0	30.5 60.5	.013	.33	.037	.94	.449	11.41	35	115	50	164
	9319	NEC: CMG CEC: CMG FT4	19	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	85.0 165.0	38.6 75.0	.013	.33	.040	1.02	.495	12.57	35	115	50	164
	9327	NEC: CMG CEC: CMG FT4	27	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	116.0 230.0	52.7 104.5	.013	.33	.045	1.14	.615	15.62	35	115	50	164
300V RMS, 60ºC 	**8751**	NEC: CMG CEC: CMG FT4	51	Request Technical Bulletin T/8-4	1000†	304.8	384.0	174.5	.010	.25	.050	1.27	.710	18.03	30	98	42.8	140

For 38-pair polypropylene version of 8751, see 8752.

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	* pF/ m	** pF/ Ft.	** pF/ m
22 AWG Solid Tinned Copper Conductors • Twisted Pairs • Duofoil® Shield (100% Coverage) • 22 AWG Stranded Tinned Copper Drain Wire																		
Datalene® Insulation • Black PVC Jacket																		
UL AWM Style 2668 (300V 60°C) 	**9184**	NEC: CM CEC: CM	2	Black & Yellow, Red & Blue	500 1000	152.4 304.8	29.0 59.0	13.2 26.8	16.5Ω/M′ 54.13Ω/km	8.0Ω/M′ 26.2Ω/km	.385	9.78	150	78%	8.7	28.5	14.1	46.3

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
† Spools are one piece, but length may vary -0 to +20% from length shown.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

See Attenuation, Rise Time and Bit Rate data for this series on page 5.10.

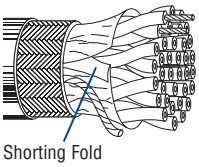
견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-485 Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
28 AWG Stranded (7x36) TC Conductors • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • 28 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)	**8132**	NEC: CL2	2	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.6 14.5 29.0	1.6 6.6 13.2	65.0Ω/M′ 213.0Ω/km	5.1Ω/M′ 16.6Ω/km	.220	5.59	120	78%	11.0	36.1	20.0	65.6
	8133	NEC: CL2	3	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	3.8 15.0 34.0	1.7 6.8 15.5	65.0Ω/M′ 213.0Ω/km	5.2Ω/M′ 17.1Ω/km	.270	6.86	120	78%	11.0	36.1	20.0	65.6
	8134	NEC: CL2	4	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	4.3 18.0 39.0	2.0 8.2 17.7	65.0Ω/M′ 213.0Ω/km	4.4Ω/M′ 14.3Ω/km	.290	7.37	120	78%	11.0	36.1	20.0	65.6
	8135	NEC: CL2	5	See Chart 5 (Tech Info Section)	100 1000	30.5 304.8	4.6 42.0	2.1 19.1	65.0Ω/M′ 213.0Ω/km	4.2Ω/M′ 13.8Ω/km	.300	7.62	120	78%	11.0	36.1	20.0	65.6
	8138	NEC: CL2	8	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	5.6 27.0 52.0	2.5 12.3 23.6	65.0Ω/M′ 213.0Ω/km	3.7Ω/M′ 12.3Ω/km	.330	8.38	120	78%	11.0	36.1	20.0	65.6
	8142	NEC: CL2	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.8 33.0 66.0	3.1 15.0 29.9	65.0Ω/M′ 213.0Ω/km	3.1Ω/M′ 10.1Ω/km	.375	9.53	120	78%	11.0	36.1	20.0	65.6
	8148	NEC: CL2	18	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.5 47.5 92.0	3.9 21.6 41.8	65.0Ω/M′ 213.0Ω/km	2.6Ω/M′ 8.4Ω/km	.465	11.81	120	78%	11.0	36.1	20.0	65.6
	8155	NEC: CL2	25	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	11.1 64.0 121.0	5.0 29.1 55.0	65.0Ω/M′ 213.0Ω/km	2.3Ω/M′ 7.6Ω/km	.565	14.35	120	78%	11.0	36.1	20.0	65.6



DCR = DC Resistance • TC = Tinned Copper

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

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

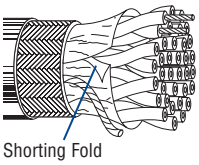
Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232 and EIA RS-422 Applications

24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® (100% Coverage) + TC Braid Shield (65% Coverage) • Drain Wire†

Datalene® Insulation • Chrome PVC Jacket

UL AWM Style 2919 (30V 80°C)



Shorting Fold

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
	8102	NEC:	2	See	100	30.5	4.1	1.9	24.0Ω/M′	4.6Ω/M′	.270	6.86	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	17.0	7.7	78.7Ω/km	15.1Ω/km								
		CEC:		(Tech Info	1000	304.8	38.0	17.3										
		CM		Section)	10000	3048.0	380.0	172.7										
	8103	NEC:	3	See	100	30.5	4.6	2.1	24.0Ω/M′	3.8Ω/M′	.283	7.19	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	19.5	8.9	78.7Ω/km	12.5Ω/km								
		CEC:		(Tech Info	1000	304.8	42.0	19.1										
		CM		Section)	10000	3048.0	430.0	195.5										
	8104	NEC:	4	See	100	30.5	5.1	2.3	24.0Ω/M′	4.1Ω/M′	.302	7.67	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	21.0	9.5	78.7Ω/km	13.5Ω/km								
		CEC:		(Tech Info	1000	304.8	46.0	20.9										
		CM		Section)	10000	3048.0	490.0	222.7										
	8105	NEC:	5	See	100	30.5	5.8	2.6	24.0Ω/M′	4.2Ω/M′	.316	8.03	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	28.0	12.7	78.7Ω/km	13.8Ω/km								
		CEC:		(Tech Info	1000	304.8	53.0	24.1										
		CM		Section)														
	8106	NEC:	6	See	100	30.5	6.3	2.9	24.0Ω/M′	3.5Ω/M′	.341	8.66	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	30.5	13.9	78.7Ω/km	11.5Ω/km								
		CEC:		(Tech Info	1000	304.8	58.0	26.4										
		CM		Section)														
	8107	NEC:	7	See	100	30.5	6.8	3.1	24.0Ω/M′	3.5Ω/M′	.341	8.66	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	33.0	15.0	78.7Ω/km	11.5Ω/km								
		CEC:		(Tech Info	1000	304.8	63.0	28.6										
		CM		Section)														
	8108	NEC:	8	See	100	30.5	7.6	3.5	24.0Ω/M′	2.7Ω/M′	.370	9.40	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	37.5	17.1	78.7Ω/km	8.9Ω/km								
		CEC:		(Tech Info	1000	304.8	72.0	32.8										
		CM		Section)														
	8110	NEC:	10	See	100	30.5	8.1	3.7	24.0Ω/M′	2.4Ω/M′	.427	10.85	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	45.5	20.7	78.7Ω/km	7.9Ω/km								
		CEC:		(Tech Info	1000	304.8	90.0	40.9										
		CM		Section)														
	8112	NEC:	12.5	See	100	30.5	9.2	4.2	24.0Ω/M′	2.4Ω/M′	.440	11.18	100	78%	12.5	41	22	72.2
		CM	(12 pairs +	Chart 5	500	152.4	51.0	23.3	78.7Ω/km	7.9Ω/km								
		CEC:	1 single)	(Tech Info	1000	304.8	101.0	45.9										
		CM		Section)														
	8115	NEC:	15	See	500	152.4	63.5	28.9	24.0Ω/M′	2.6Ω/M′	.495	12.57	100	78%	12.5	41	22	72.2
		CM		Chart 5	1000	304.8	116.0	52.7	78.7Ω/km	8.5Ω/km								
		CEC:		(Tech Info														
		CM		Section)														
	8118	NEC:	18	See	100	30.5	13.3	6.0	24.0Ω/M′	2.1Ω/M′	.537	13.64	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	70.5	32.0	78.7Ω/km	6.9Ω/km								
		CEC:		(Tech Info	1000	304.8	144.0	65.5										
		CM		Section)														
	8125	NEC:	25	See	100	30.5	20.7	9.4	24.0Ω/M′	2.0Ω/M′	.632	16.05	100	78%	12.5	41	22	72.2
		CM		Chart 5	500	152.4	98.0	44.5	78.7Ω/km	6.6Ω/km								
		CEC:		(Tech Info	1000	304.8	191.0	86.8										
		CM		Section)														

†24 AWG stranded TC drain wire.

DCR = DC Resistance • TC = Tinned Copper

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

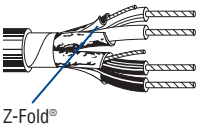
Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Individually Shielded

Low-Capacitance 100 Ohm Computer Cables for EIA RS-422, and Digital Audio Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Individually Shielded w/Beldfoil® (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (300V 60°C)  Z-Fold®	**9729**	NEC: CM CEC: CM	2	See Chart 3 (Tech Info Section)	100 500 1000 10000†	30.5 152.4 304.8 3048.0	4.3 20.5 39.0 390.0	2.0 9.3 17.7 177.8	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.266	6.76	100	76%	12.5	41.0	23.2	76.1
													For Plenum version of 9729, see 89729 or 82729.					
	9730	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	100 500 1000 10000†	30.5 152.4 304.8 3048.0	5.1 24.5 46.0 520.0	2.3 11.1 20.9 236.4	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.334	8.48	100	76%	12.5	41.0	23.2	76.1
													For Plenum version of 9730, see 89730.					
	9728	NEC: CM CEC: CM	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.0 29.0 51.0	2.7 13.2 23.1	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.363	9.22	100	76%	12.5	41.0	23.2	76.1
													For Plenum version of 9728, see 89728.					
	9731	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.4 42.0 83.0	3.4 19.1 37.7	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.421	10.69	100	76%	12.5	41.0	23.2	76.1
													For Plenum version of 9731, see 89731.					
	9732	NEC: CM CEC: CM	9	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.9 57.0 106.0	4.5 26.0 48.1	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.488	12.40	100	76%	12.5	41.0	23.2	76.1
													For Plenum version of 9732, see 89732.					
	9733	NEC: CM CEC: CM	11	See Chart 3 (Tech Info Section)	500	152.4	75.0	34.1	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.575	14.61	100	76%	12.5	41.0	23.2	76.1
	9734	NEC: CM CEC: CM	12	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	79.5 154.0	36.1 70.0	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.575	14.61	100	76%	12.5	41.0	23.2	76.1
	9735	NEC: CM CEC: CM	15	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	95.0 185.0	43.2 84.1	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.639	16.23	100	76%	12.5	41.0	23.2	76.1
	9736	NEC: CM CEC: CM	17	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	103.5 210.0	47.0 95.5	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.671	17.04	100	76%	12.5	41.0	23.2	76.1
	9737	NEC: CM CEC: CM	19	See Chart 3 (Tech Info Section)	1000	304.8	231.0	105.0	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.671	17.04	100	76%	12.5	41.0	23.2	76.1
	9738	NEC: CM CEC: CM	27	See Chart 3 (Tech Info Section)	1000	304.8	334.0	151.8	24.0Ω/M′ 78.7Ω/km	15.0Ω/M′ 49.2Ω/km	.797	20.24	100	76%	12.5	41.0	23.2	76.1

DCR = DC Resistance • TC = Tinned Copper

*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
†Final put-up length may vary -10% to +20% from length shown. May contain 2 pieces. Minimum length of any one piece is 1500 ft.

See Attenuation, Rise Time and Bit Rate Data for this series on page 5.34.

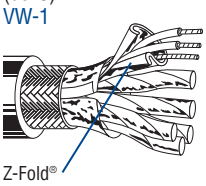
Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Individually Shielded Pairs with Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422, and Digital Audio 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 Individually Beldfoil® Shielded + Overall Beldfoil (100% Coverage) + TC Braid Shield (65%) • Drain Wire▲																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (60°C) VW-1  Z-Fold®	**8162**	NEC: CM CEC: CM	2	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.2 30.0 57.0	2.8 13.6 25.9	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 4.3Ω/M′ 14.1Ω/km	.343	8.71	100	78%	12.5	41	22	72.2
	8163	NEC: CM CEC: CM	3	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	7.0 34.0 66.0	3.2 15.5 30.0	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 4.4Ω/M′ 14.4Ω/km	.359	9.12	100	78%	12.5	41	22	72.2
	8164	NEC: CM CEC: CM	4	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	8.2 39.5 79.0	3.7 18.0 35.9	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 3.2Ω/M′ 10.5Ω/km	.388	9.86	100	78%	12.5	41	22	72.2
	8165	NEC: CM CEC: CM	5	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.0 45.0 89.0	4.1 20.5 40.5	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 3.4Ω/M′ 11.2Ω/km	.413	10.49	100	78%	12.5	41	22	72.2
	8166	NEC: CM CEC: CM	6	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.0 50.0 99.0	4.1 22.7 45.0	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.8Ω/M′ 9.2Ω/km	.446	11.33	100	78%	12.5	41	22	72.2
	8167	NEC: CM CEC: CM	7	See Chart 3 (Tech Info Section)	500 1000	152.4 304.8	52.5 103.0	23.9 46.7	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.8Ω/M′ 9.2Ω/km	.446	11.33	100	78%	12.5	41	22	72.2

▲24 AWG stranded TC drain wire

DCR = DC Resistance • TC = Tinned Copper

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

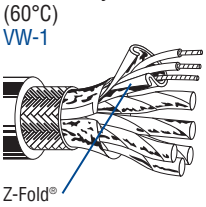
Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Individually Shielded Pairs with Overall Foil/Braid Shield

Low-Capacitance Computer Cables for EIA RS-232, EIA RS-422, and Digital Audio Applications

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/Ft.	Nom. Capacitance * pF/m	Nom. Capacitance ** pF/Ft.	Nom. Capacitance ** pF/m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs Individually Beldfoil® Shielded + Overall Beldfoil (100% Coverage) + TC Braid Shield (65%) • Drain Wire▲																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (60°C) VW-1  Z-Fold®	**8168**	NEC: CM CEC: CM	8	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	10.8 61.5 115.0	4.9 28.0 52.3	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 3.0Ω/M′ 9.8Ω/km	.479	12.17	100	78%	12.5	41	22	72.2
	8170	NEC: CM CEC: CM	10	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	18.0 83.0 164.0	8.2 37.7 74.5	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.7Ω/M′ 8.9Ω/km	.584	14.83	100	78%	12.5	41	22	72.2
	8175	NEC: CM CEC: CM	15	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	22.6 107.5 210.0	10.3 48.9 95.5	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.5Ω/M′ 8.2Ω/km	.665	16.89	100	78%	12.5	41	22	72.2
	8178	NEC: CM CEC: CM	18	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	24.6 117.0 238.0	11.2 53.2 108.2	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.6Ω/M′ 8.5Ω/km	.686	17.42	100	78%	12.5	41	22	72.2
	8185	NEC: CM CEC: CM	25	See Chart 3 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	32.3 160.5 356.0	14.7 73.0 161.8	24.0Ω/M′ 78.7Ω/km	Individual: 18.0Ω/M′ 59.1Ω/km Overall: 2.4Ω/M′ 7.9Ω/km	.822	20.88	100	78%	12.5	41	22	72.2

▲24 AWG stranded TC drain wire

DCR = DC Resistance • TC = Tinned Copper

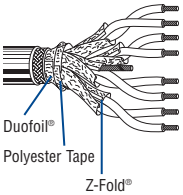
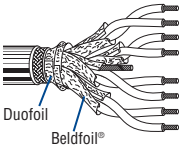
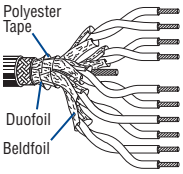
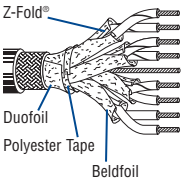
*Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

IEEE 802.3 • ISO/IEC 8802.3 10Base5

Transceiver Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Conductor (stranding) Nom. DCR	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Drain Wire	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance * pF/Ft.	Nominal Capacitance * pF/m	Nominal Capacitance ** pF/Ft.	Nominal Capacitance ** pF/m
28 and 24 AWG Stranded TC Conductors • Twisted Pairs • Overall Polyester Isolation Tape + Duofoil® + TC Braid Shield (92% Coverage) • Drain Wire																			
Non-Plenum • Polypropylene Insulation • Light Gray PVC Jacket																			
UL AWM Style 2919 (30V 80°C)	**9903**	NEC: CMG CEC: CMG	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	21.5 43.0	9.8 19.5	3 Pair: 28 AWG (7x36) TC 65.0Ω/M′ 213.0Ω/km 1 Pair: 24 AWG (7x32) TC 24.0Ω/M′ 78.7Ω/km Each Pair Individually Beldfoil® Shielded	Polyester Isolation Tape + Duofoil + 92% Tinned Copper Braid 2.9Ω/M′ 9.5Ω/km	.250	6.35	24 AWG Stranded Tinned Copper	78•	66%	19.7	64.6	34.8	114.2
																			
•3 Pairs																			
20 AWG Stranded (7x28) TC Conductors • Twisted Pairs • Overall Polyester Isolation Tape + Duofoil + TC Braid Shield (95% Coverage) • Drain Wire																			
Non-Plenum • Datalene® Insulation • Light Gray PVC Jacket																			
UL AWM Style 2919 (30V 80°C)	**9901**	NEC: CL2, CM CEC: CM	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	53.5 106.0	24.3 48.2	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil Shielded 10.5Ω/M′ 34.4Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 2.0Ω/M′ 6.6Ω/km	.415	10.54	22 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8
															For Plenum version of 9901, see 89901.				
DEC Part No. 17-01320-00																			
UL AWM Style 2919 (30V 80°C)	**9902**	NEC: CL2, CM CEC: CM	5	Gray/White, Yellow/Orange, Blue/Green, Red/Brown, Red/Black	500 1000	152.4 304.8	76.0 145.0	34.5 65.9	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil Shielded 10.5Ω/M′ 34.4Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 1.65Ω/M′ 5.4Ω/km	.495	12.58	20 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8
																			
Plenum • FEP Teflon® Insulation†† • Light Gray Fluorocopolymer (PVDF) Jacket																			
150°C	**89901**	NEC: CMP CEC: CMP	4	Gray/White, Yellow/Orange, Blue/Green, Red/Black	500†† 1000††	152.4 304.8	51.5 104.0	23.4 47.3	20 AWG (7x28) Tinned Copper Each Pair Individually Beldfoil Shielded 10.5Ω/M′ 34.4Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 1.5Ω/M′ 4.9Ω/km	.370	9.40	22 AWG Stranded Tinned Copper	78	78%	16.7	54.8	29.5	96.8
																			

††Foam FEP (data pairs) and solid FEP (power pair).
DEC Part No. 17-01319-00 • Suitable for Outdoor and Direct Burial applications.

DCR = DC Resistance • TC = Tinned Copper

* Capacitance between conductors.
**Capacitance between one conductor and other conductors connected to shield.
††Spools are one piece, but length may vary ±10% from length shown.

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

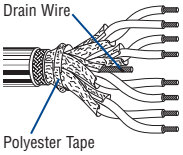
견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

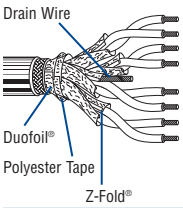
케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

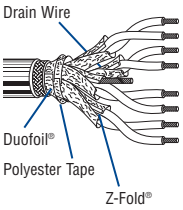
IEEE 802.3 • Ethernet 10Base5

Transceiver Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Conductor (stranding) Nom. DCR	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Drain Wire	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance * pF/Ft.	Nominal Capacitance * pF/m	Nominal Capacitance ** pF/Ft.	Nominal Capacitance ** pF/m
20 AWG Stranded (7x28) .038″ TC Cond. • Twisted Pairs • Beldfoil® (100% Coverage) + Polyester Tape + TC Braid Shield (95% Cov,) • Drain Wire																			
Non-Plenum • Ethernet • Datalene® Insulation • Light Blue PVC Jacket																			
UL AWM Style 2919 (30V 80°C)	**9892**	NEC: CM, CL2 CEC: CM	4	Gray/White, Yellow/Orange, Blue/Green, Black/Red	500 1000	152.4 304.8	51.5 101.0	23.4 45.9	20 AWG (7x28) .038″ Tinned Copper 9.5Ω/M′ 31.2Ω/km	Polyester Isolation Tape + 95% Tinned Copper Braid 1.9Ω/M′ 6.2Ω/km	.398	10.1	22 AWG (7x30) Tinned Copper	78	78%	16.7	54.8	29.5	96.8
20 AWG Stranded (7x28) .038″ TC Conductors • Twisted Pairs • Beldfoil® Inner + Overall Duofoil® (100% Coverage) + TC Braid Shield (95% Cov.)																			
Plenum • Ethernet • Foam FEP Insulation (Data) **• Solid FEP Insulation** (Power) **• Brown Fluorocopolymer Jacket**																			
	89892	NEC: CMP CEC: CMP	4	Gray/White, Yellow/Orange, Blue/Green, Red/Black	500 1000	152.4 304.8	50.0 101.0	22.7 45.9	20 AWG (7x28) .038″ Tinned Copper 9.5Ω/M′ 31.2Ω/km	Polyester Isolation Tape + Duofoil + 95% Tinned Copper Braid 1.5Ω/M′ 4.9Ω/km	.359	9.1	22 AWG (7x30) Tinned Copper	78	78%	16.7	54.8	29.5	96.8
20 and 22 AWG Stranded TC Conductors • Twisted Pairs • Beldfoil® Inner Shield (100% Coverage) + Overall TC Braid Shield (95% Coverage)																			
Non-Plenum • Ethernet • Foam HDPE (22 AWG) and PVC (20 AWG) Insulation • Light Blue PVC Jacket																			
UL AWM Style 2919 (30V 80°C)	**9891**	NEC: CM CEC: CM	4	Black/White, Yellow/Orange, Blue/Green, Gray/Purple	100 500 1000	30.4 152.4 304.8	7.4 36.0 70.0	3.7 16.3 16.3	3 Pair: 22 AWG (7x30) TC 14.7Ω/M′ 48.23Ω/km Foam HDPE Insulation 1 Pair: 20 AWG (7x28) TC 9.5Ω/M′ 31.1Ω/km PVC Insulation	Each Pair Individually Beldfoil® Shielded, Overall Duofoil + 95% Tinned Copper Braid 1.8Ω/M′ 5.9Ω/km	.316	8.0	22 AWG (7x30) Tinned Copper	78•	78%•	16.7•	54.8•	29.5•	96.8•







•3 Pairs

DCR = DC Resistance • HDPE = High=density Polyethylene • TC = Tinned Copper

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

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

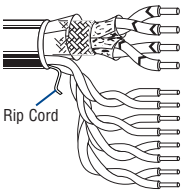
견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

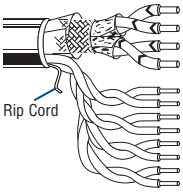
IEEE 802.5; ISO/IEC 8802.5

IBM Cabling System
Types 2A and 6A

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Wt. Lbs.	Standard Unit Wt. kg	Nominal OD Inch	Nominal OD mm	AWG (stranding) Diameter Nom. DCR	Shielding	Nom. Imped. (Ω)	Nominal Capacitance * pF/Ft.	Nominal Capacitance * pF/m	Freq. (MHz)	Maximum Attenuation (dB/ 1000′)	Maximum Attenuation (dB/ 100m)	Min. NEXT (dB/ 3280′)	Min. NEXT (dB/ 1000m)
IBM Type 2A • 22 AWG Solid Bare Copper Conductors • Each Pair Individually Beldfoil® Shielded + Overall TC Braid Shield (65% Coverage)																			
Non-Plenum • Flame-retardant Foam Polyethylene Insulation • Black PVC Jacket																			
IBM Part No. 4716739 33G2773	**9689**	NEC: CMG CEC: CMG	6▲	1000† 3600†	304.8 1097.6	80.0 298.8	36.4 135.8	.324 x .466	8.23 x 11.84	22 (solid) BC .026″ 16.7Ω/M′ 54.7Ω/km	100% Beldfoil Each Pair + 65% TC Braid Overall (data only)	150 @ 1MHz (data) 600 @ 1kHz (voice)	8.5 (data)	27.9 (data)	1k** 4 16 100 300 100†† 300†† 600††	.390 6.7 13.4 37.5 65.2 40.8 71.0 100.3	.128 2.2 4.4 12.3 21.4 13.4 23.3 32.9	— 58.0 50.4 38.5 31.3 — — —	— 58.0 50.4 38.5 31.3 — — —
IBM qualified Type 2A Media cable for use in IBM Cabling Systems.																			
Plenum • Foam FEP Teflon® Insulation • Black Flamarrest® Jacket																			
IBM Part No. 4716738 33G8221	**82689**	NEC: CMP CEC: CMP	6▲	1000†	304.8	79.0	35.9	.324 x .460	8.23 x 11.68	22 (solid) BC .026″ 16.7Ω/M′ 54.7Ω/km	100% Beldfoil Each Pair + 65% TC Braid Overall (data only)	150 @ 1MHz (data) 600 @ 1kHz (voice)	8.5 (data)	27.9 (data)	1k** 4 16 100 300 100†† 300†† 600††	.390 6.7 13.4 37.5 65.2 40.8 71.0 100.3	.128 2.2 4.4 12.3 21.4 13.4 23.3 32.9	— 58.0 50.4 38.5 31.3 — — —	— 58.0 50.4 38.5 31.3 — — —
IBM qualified Type 2A Media cable for use in IBM Cabling Systems.																			
IBM Type 6A • 26 AWG Stranded (7x34) BC Conductors • Twisted Pairs • Beldfoil Shielded Pairs + Overall TC Braid Shield (65% Coverage)																			
Non-Plenum • Datalene® Insulation • Striated Black PVC Jacket																			
IBM Part No. 4716743 33G2775	**1215A**	NEC: CL2, CM CEC: CM	2	1000†	304.8	46.0	20.9	.325	8.26	26 (7x34) BC .019″ 38.7Ω/M′ 127.0Ω/km	100% Beldfoil Each Pair + 65% TC Braid Overall	150	8.5	27.9	4 16 100 300	10 20 57 100	3.3 6.6 18.7 32.3	52.0 44.0 33.0 25.0	52.0 44.0 33.0 25.0
IBM qualified Type 6A Office cable for use in IBM Cabling Systems.																			



For Plenum version of 9689, see 82689.



BC = Bare Copper • DCR = DC Resistance • NEXT = Near-end Crosstalk • TC = Tinned Copper

* Capacitance between conductors
**Voice pairs (1 kHz); Data pairs (4–600 MHz)
† Spools are one piece, but length may vary ±10% from length shown.
†† Common mode
▲ (2) shielded Data-grade pairs; (4) unshielded Voice-grade media pairs

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Teflon is a DuPont trademark.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Industrial Data Solutions® — Industrial Twinax

Twinaxial Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
100 Ohm • 20 AWG Stranded (7x28) .037″ One TC, One BC Conductor • Duofoil® (100% Coverage) + TC Braid Shield (86% Coverage)																			
Polyethylene Insulation • Polyethylene Inner Jacket • Black PVC Outer Jacket																			
75°C IBM P/N 7362211	**9207**	NEC: CMG CL2 CEC: CMG FT4	100 U-500 500 1000 1640 2000 3280 5000	30.5 U-152.4 152.4 304.8 500.0 609.6 1000.0 1524.0	7.1 34.0 34.5 68.0 111.5 136.0 219.8 350.0	3.2 15.5 15.7 30.9 50.7 61.8 99.9 159.1	20 AWG (7x28) .037″ 1 TC 1 BC 9.5Ω/M′ 31.0Ω/km	.236	5.99	Duofoil + 86% TC Braid 2.5Ω/M′ 8.2Ω/km	.330	8.38	100	66%	14.5	47.6	1 10 50 100 200 400	.3 1.2 2.8 4.1 6.4 10.2	1.0 3.9 9.2 13.5 21.0 33.5
													For Plenum version of 9207, see 89207. CPE jacket optional.						
124 Ohm • 25 AWG Stranded (7x33) .021″ Tinned Copper Conductors • Beldfoil® (100% Coverage) • Stranded Tinned Copper Drain Wire																			
Polyethylene Insulation • Blue PVC Jacket (Color Code: Clear, Blue)																			
UL AWM Style 2092 (300V 60°C) Shorting Fold	**9271**	NEC: CM CEC: CM	100 500 U-1000 1000	30.5 152.4 U-304.8 304.8	3.2 14.0 27.0 28.0	1.5 6.4 12.3 12.7	25 AWG (7x33) .021″ Tinned Copper 31.8Ω/M′ 104.3Ω/km	.170	4.32	100% Beldfoil Shield 12.0Ω/M′ 39.4Ω/km	.240	6.10	124	66%	12.2	40.0	1 10 50 100 200 400	.6 1.7 3.6 5.0 6.9 9.6	2.0 5.6 11.8 16.4 22.6 31.5
													CPE jacket optional.						
124 Ohm • 16 AWG Solid .051″ Bare Copper Conductors • Duofoil (100% Coverage) + Tinned Copper Braid Shield (90% Coverage)																			
Foam Polyethylene Insulation • Black PVC Jacket (Color Code: Clear, Blue)																			
UL AWM Style 2448 (30V 60°C)	**9860**	NEC: CMX CEC: CMX	500 1000 2000	152.4 304.8 609.6	52.0 103.0 202.0	23.6 46.8 91.8	16 AWG (solid) .051″ Bare Copper 4.2Ω/M′ 13.8Ω/km	.322	8.18	Duofoil +90% TC Braid 1.3Ω/M′ 4.3Ω/km	.440	11.18	124	78%	10.9	35.8	1 10 50 100 200 400	.2 .7 1.8 2.9 4.1 6.2	.6 2.3 5.9 9.5 13.5 20.3
													CPE jacket optional.						
150 Ohm • 22 AWG Stranded (19x34) .031″ Tinned Copper Conductors • Duofoil (100% Coverage) • Stranded Tinned Copper Drain Wire																			
Datalene® Insulation • Black PVC Jacket (Color Code: Black, Yellow)																			
UL AWM Style 2668 (30V 60°C) VW-1	**9182**	NEC: CL2X CMX CEC: CMX	U-500 500 1000	U-152.4 152.4 304.8	22.5 23.0 44.0	10.2 10.4 20.0	22 AWG (19x34) .031″ Tinned Copper 14.0Ω/M′ 45.9Ω/km	.275	6.98	100% Duofoil Shield 6.3Ω/M′ 20.7Ω/km	.345	8.76	150	78%	8.8	28.9	1 10 50 100 200 400	.4 1.2 2.7 4.3 6.2 8.8	1.3 3.9 8.9 14.1 20.3 28.9
													For Plenum version of 9182, see 89182. Dual version: YR41609 CPE jacket optional.						
Plenum • Foam FEP Teflon® Insulation • Black FEP Teflon Jacket (Color Code: Black, Yellow)																			
	89182	NEC: CMP CL2P CEC: CMP FT6	100 500† 1000†	30.5 152.4 304.8	6.4 28.0 53.0	2.9 12.7 24.1	22 AWG (19x34) .031″ Tinned Copper 14.0Ω/M′ 45.9Ω/km	.278	7.06	100% Duofoil Shield 6.3Ω/M′ 20.7Ω/km	.307	7.80	150	78%	8.8	28.9	1 10 50 100 200 400	.4 1.2 2.7 4.3 6.2 8.8	1.3 3.9 8.9 14.1 20.3 28.9

BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene-propylene • TC = Tinned Copper

†Spools are one piece, but length may vary ±10% from length shown.

Teflon is a DuPont trademark.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Industrial Data Solutions® — Industrial Data

EIA Industrial RS-485 PLTC/CM

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/Ft.	Nom. Capacitance * pF/m	Nom. Capacitance ** pF/Ft.	Nom. Capacitance ** pF/m
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Overall Beldfoil® Shield (100% Coverage) + TC Braid (90% Coverage) • Drain Wire▲																		
Datalene® Insulation • Black UV Resistant PVC Jacket (CPE jacket optional)																		
Oil Res II 300V	**3105A▼**	NEC: CM PLTC CEC: CM FT1	1	See Chart (below)	500 1000 5000 †	152.4 304.8 1523.9	23.0 50.0 255.0	10.4 22.7 115.8	14.7Ω/M′ 48.2Ω/km	2.8Ω/M′ 9.2Ω/km	.284	7.21	120	78%	11.0	36.1	20.9	68.6
															For CPE jacketed version order Part No. YR44345			
	3106A	NEC: CM PLTC CEC: CM FT1	1.5◆	White/Orange, Orange/White, Blue/White	500 1000 5000 †	152.4 304.8 1523.9	27.0 51.0 260.0	12.3 23.2 118.1	14.7Ω/M′ 48.2Ω/km	2.8Ω/M′ 9.2Ω/km	.300	7.62	120	78%	11.0	36.1	20.9	68.6
															For CPE jacketed version order Part No. YR46721			
	3107A▼	NEC: CM PLTC CEC: CM FT1	2	See Chart (below)	1000 4000 5000 †	304.8 1219.2 1523.9	69.0 300.0 385.0	31.3 136.2 174.8	14.7Ω/M′ 48.2Ω/km	1.8Ω/M′ 5.9Ω/km	.356	9.04	120	78%	11.0	36.1	20.9	68.6
															For CPE jacketed version order Part No. YR46792			
	3108A	NEC: CM PLTC CEC: CM FT1	3	See Chart (below)	1000 2000	304.8 609.6	93.0 184.0	42.2 83.5	14.7Ω/M′ 48.2Ω/km	1.5Ω/M′ 4.9Ω/km	.420	10.67	120	78%	11.0	36.1	20.9	68.6
															For CPE jacketed version order Part No. YR45287			
	3109A	NEC: CM PLTC CEC: CM FT1	4	See Chart (below)	1000 2000	304.8 609.6	107.0 218.0	48.6 99.0	14.7Ω/M′ 48.2Ω/km	1.4Ω/M′ 4.6Ω/km	.420	10.67	120	78%	11.0	36.1	20.9	68.6
															For CPE jacketed version order Part No. YR44768			
AL Interlocked Armor • Datalene® Insulation • PVC Inner Jacket • Black UV Resistant PVC Outer Jacket																		
300V	**123107A** new	NEC: CM PLTC CEC: CMG FT4	2	See Chart (below)	5000 ††	1523.9	1140.0	514.1	14.7Ω/M′ 48.2Ω/km	1.8Ω/M′ 5.9Ω/km	.650	16.51	120	78%	11.0	36.1	20.9	68.6

▼3015A and 3107A are DMX512 Type.
▲22 AWG stranded tinned copper drain wire.

▲22 AWG stranded tinned copper drain wire.

DCR = DC Resistance • TC = Tinned Copper

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

† Final put-up length may vary -0 to +10% from length shown.
†† Final put-up length may vary ±10% for spools or reels and ±5% for UnReel® cartons from length shown.

◆All conductors are under the braid shield; one pair is under the Beldfoil shield.

Color Code Chart

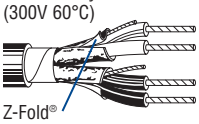
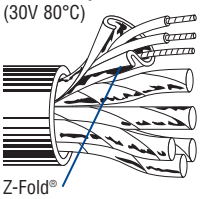
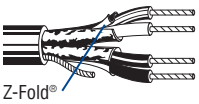
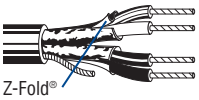
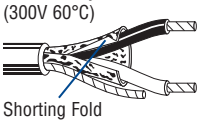
Pair No.	Color Combination
1	White/Blue Stripe Blue/White Stripe
2	White/Orange Stripe Orange/White Stripe
3	White/Green Stripe Green/White Stripe
4	White/Brown Stripe Brown/White Stripe

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Industrial Data Solutions® — Interconnect Cable

Shielded Twisted Pair Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Individually Beldfoil® Shielded (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2493 (300V 60°C)	**9729**	NEC: CM CEC: CM	2	Red&Black, White&Black	100	30.5	4.3	2.0	24.0Ω/M′	15.0Ω/M′	.266	6.76	100	76%	12.5	41.0	23.2	76.1
					500	152.4	20.5	9.3	78.7Ω/km	49.3Ω/km								
					1000	304.8	39.0	17.7										
					10000	3048.0	390.0	177.1										
 Z-Fold®													For Plenum version of 9729, see 89729 or 82729.					
24 AWG stranded (7x32) tinned copper drain wire.																		
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Beldfoil Shielded (100% Coverage) • 22 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)	**8777**	NEC: CM CEC: CM	3	Red&Black, White&Black, Green&Black	100	30.5	4.6	2.1	15.0Ω/M′	10.6Ω/M′	.273	6.93	50	66%	30	98	55	180
					250	76.2	11.0	5.0	49.2Ω/km	34.8Ω/km								
					U-500	U-152.4	21.0	9.5										
					500	152.4	21.0	9.5										
					U-1000	U-304.8	41.0	18.6										
					1000	304.8	42.0	19.1										
					1640	499.9	67.2	30.5										
					3280	999.7	137.8	62.5										
					5000	1524.0	210.0	95.3										
					10000	3048.0	450.0	204.3										
 Z-Fold®													For Plenum versions of 8777, see 88777, 87777 or 82777.					
22 AWG stranded (19x34) tinned copper drain wire.																		
22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • Individually Beldfoil Shielded (100% Coverage) • 24 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS 60°C	**8723**	NEC: CM CEC: CM	2	Red&Black, Green&White	100	30.5	2.3	1.0	16.0Ω/M′	14.7Ω/M′	.168	4.27	45	66%	35	115	62	203
					U-500	U-152.4	10.5	4.8	52.5Ω/km	48.3Ω/km								
					500	152.4	10.0	4.5										
					U-1000	U-304.8	20.0	9.1										
					1000	304.8	20.0	9.1										
					1640	499.9	32.8	14.9										
					U-2000	U-609.6	40.0	18.2										
					2000	609.6	40.0	18.2										
					3280	999.7	65.6	29.8										
					5000	1524.0	95.0	43.1										
					10000	3048.0	200.0	90.8										
 Z-Fold®													For Plenum versions of 8723, see 88723, 87723 or 82723.					
24 AWG stranded (7x32) tinned copper drain wire.																		
Plenum • FEP Insulation • Red FEP Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
300V RMS, Non-conduit	**88723**	NEC: CMP CEC: CMP FT6	2	Red&Black, Green&White	100	30.5	3.4	1.5	16.0Ω/M′	14.7Ω/M′	.148	3.76	40	69%	35	115	67	220
					500	152.4	11.0	5.0	52.5Ω/km	48.3Ω/km								
					1000	304.8	21.0	9.5										
 Z-Fold®																		
24 AWG stranded (7x32) tinned copper drain wire.																		
18 AWG Stranded (16x30) TC Conductors • Twisted Pair • Overall Beldfoil Shield (100% Coverage) • 20 AWG Stranded TC Drain Wire																		
Polyethylene Insulation • Chrome PVC Jacket																		
UL AWM Style 2092 (300V 60°C)	**8760**	NEC: CM CEC: CM	1	Black &Clear	250	76.2	6.8	3.1	—	—	.222	5.64	—	—	24	79	44	144
					U-500	U-152.4	13.0	5.9										
					500	152.4	13.0	5.9										
					U-1000	U-304.8	26.0	11.8										
					1000	304.8	26.0	11.8										
					2000	609.6	50.0	22.7										
					5000	1524.0	135.0	61.3										
					10000	3048.0	260.0	118.0										
 Shorting Fold													For Plenum versions of 8760, see 88760, 87760 or 82760.					
20 AWG stranded (7x28) tinned copper drain wire.																		

DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • PVC = Polyvinyl Chloride • TC = Tinned Copper

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

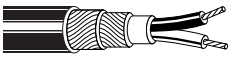
견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Microphone and Musical Instrument Cable

Two-Conductor, Low-Impedance Cables
High-Conductivity Copper

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Insulation Thickness Inch	Insulation Thickness mm	Jacket Thickness Inch	Jacket Thickness mm	Nominal OD Inch	Nominal OD mm	Nominal Capacitance * pF/ Ft.	Nominal Capacitance * pF/ m	Nominal Capacitance ** pF/ Ft.	Nominal Capacitance ** pF/ m
24 AWG Stranded (105x44) High-conductivity Bare Copper Conductors† • Double Bare Copper Spiral Shield (97% Coverage)																		
PVC Insulation • Matte Black PVC Jacket																		
300V RMS 80°C	**9397**	—	2	White, Green	500 1000	152.4 304.8	12.0 24.0	5.5 10.9	.012	.30	.031	.79	.176	4.47	47	154	86	283
24 AWG Stranded (45x40) TC Alloy Conductors† • Conductive Textile Wrap (100% Coverage) • TC Braid Shield (56% Coverage) • Cotton Spiral																		
EPDM Rubber Insulation • Black EPDM Jacket																		
300V RMS 90°C	**8413**	—	2	White, Black	100 U-500 500	30.5 U-152.4 152.4	2.3 13.0 11.5	1.0 5.9 5.2	.016	.41	.017	.43	.199	5.05	30	98	55	180
24 AWG Stranded (45x40) BC Alloy Conductors† • Conductive Textile Wrap (100% Coverage) • TC Braid Shield (65% Coverage) • Cotton Spiral																		
EPDM Rubber Insulation • Brown EPDM Jacket																		
300V RMS 90°C	**9399**	—	2	Blue, Red	500	152.4	12.5	5.7	.016	.41	.020	.51	.200	5.08	30	98	55	180
24 AWG Stranded (42x40) High-conductivity BC Conductors† • TC "French Braid" Shield (95% Coverage) • BC Drain Wire																		
Datalene® Insulation • Matte PVC Jacket (Available in Red, Yellow, Green, Blue, Gray or Black)																		
Digital MIC Cable High-Flex 300V RMS 60°C French Braid	**1800F** 110 Ohm AES/EBU	NEC: CL2R	2	Black, Red	500 ▲ U-1000 1000 ▲	152.4 U-304.8 304.8	12.0 26.0 24.0	5.5 11.8 10.9	.017	.43	.037	.94	.211	5.36	12	39	26	85
▲500 ft. and 1000 ft. put-ups available in Black only.																		
24 AWG Stranded (42x40) High-conductivity BC Conductors† • Double Bare Copper Spiral Shield (95% Coverage)																		
PVC Insulation • PVC Inner Jacket • Matte PVC Outer Jacket (Available in Red, Yellow, Green, Blue or Black)																		
100V RMS 60°C 	**1812A**	—	2	Brown, White	328 ◆ 1000	100.0 304.8	9.8 31.0	4.5 14.1	.012	.30	.037	.94	.213	5.41	33	108	54	177
◆328 ft. put-up not available in Green.																		

BC = Bare Copper • EPDM = Ethylene Propylene Diene Monomer • TC = Tinned Copper

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

†Conductors cabled with fillers.

Not RoHS compliant at time of printing. Please check with Belden Technical Support for current compliance information at 1-800-BELDEN-1.

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Analog Multi-Pair Snake Cable

Flexible, Low-Capacitance Cables
Individually Shielded and Jacketed Twisted Pairs

BRILLIANCE®

Individually Shielded and Jacketed Pairs

Not NEC Rated

Product Description

22 AWG stranded (7x30) tinned copper conductor. Datalene® insulation. Twisted pairs individual Beldfoil® shield (100% Coverage) and have numbered and color-coded PVC jackets (see Chart 7 in Technical Information Section for colors). Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Overall Matte Black PVC jacket and nylon rip cord.

Datalene insulation features include a low dielectric constant and a low dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

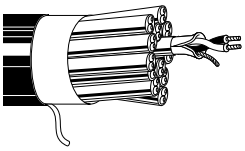
Color Code: Red, Black.

Specifications

Nominal OD — Conductor	.030″ (.76mm)
Nominal OD — Insulation	.060″ (1.52mm)
Inner Pair Jacket OD	.153″ (3.89mm)
Nominal DCR	
Conductor	15.0Ω/M′ (52.5Ω/km)
Shield (Inner Pair)	10.6Ω/M′ (34.8Ω/km)
Voltage Rating	150V RMS
Temperature Rating	60°C
Nominal Impedance	70Ω
Nominal Velocity of Propagation	78%
Nominal Capacitance	
Between Conductors	19 pF/Ft. (62 pF/m)
Between Conductor/Shield*	35 pF/Ft. (115 pF/m)

DCR = DC Resistance

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



Part No.	No. of Pairs	Standard Lengths		Standard Unit Weight		Nominal OD	
		Ft.	m	Lbs.	kg	Inch	mm
Flexible, Low-Capacitance Twisted Pairs							
22 AWG							
1217B	4	500 1000	152.4 304.8	53.0 107.0	24.0 48.5	.458	11.63
1218B	6	500 1000	152.4 304.8	79.5 152.0	36.1 68.9	.578	14.68
1219B	9	500 1000	152.4 304.8	115.5 234.0	52.4 106.1	.700	17.78
1220B	12	500 1000	152.4 304.8	141.0 286.0	70.0 129.7	.760	19.30
1222B	16	500 1000	152.4 304.8	188.0 384.0	85.3 174.2	.852	21.64
1225B	20	500 1000	152.4 304.8	240.0 471.0	108.8 213.6	.960	24.38
1427B	24	1000	304.8	588.0	266.7	1.088	27.64
1221B	28	500 1000	152.4 304.8	335.0 676.0	152.0 306.6	1.140	28.96
1226B	32	500 1000	152.4 304.8	369.0 744.0	167.4 337.5	1.183	30.05
1428B†	52	1000	304.8	1141.0	517.5	1.496	38.00

†1428B available by special order. Please contact Belden for lead time.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

AES/EBU Digital Audio Cable

Single- and Double-Pair Cables

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
110 Ohm • 26 AWG Stranded (7x34) .018″ TC Conductors • Twisted Pair • Beldfoil® Shield (100% Coverage) • 26 AWG Stranded TC Drain Wire																		
Datalene® Insulation • Chrome or Purple PVC Jacket																		
2-Conductor Digital Video Time Code Cable 75°C	**9180**	NEC: CMR CEC: CMG FT4	1	Black, White	1000	304.8	10.0	4.5	37.3Ω/M′ 122.3Ω/km	23.1Ω/M′ 75.8Ω/km	.144	3.66	110	76%	13	43	26	85
24 AWG Stranded (7x32) Tinned Copper Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG Drain Wire																		
Datalene Insulation • Gray or Purple PVC Jacket																		
60°C	**1800B**	NEC: CMG CEC: CMG FT4	1	Black, Red	500◆	152.4	8.0	3.6	23.7Ω/M′	18.9Ω/M′	.177	4.57	110	76%	12	39	26	85
					U-1000	U-304.8	17.0	7.7	77.7Ω/km	62.0Ω/km								
					1000	304.8	16.0	7.3										
					5000◆	1524.0	90.0	40.8										
24 AWG Stranded (42x40) HC BC Conductors • Conductors Cabled with Fillers • TC "French Braid" Shield (95% Coverage) • BC Drain Wire																		
Datalene Insulation • Matte PVC Jacket (Available in Red, Yellow, Green, Blue, Gray or Black)																		
Digital Mic Cable High-Flex 60°C	**1800F**	NEC: CL2R	1	Black, Red	500▲	152.4	12.0	5.5	23.7Ω/M′	5.0Ω/M′	.211	5.36	110	76%	12	39	26	85
					U-1000	U-304.8	26.0	11.8	77.7Ω/km	16.4Ω/km								
					1000▲	304.8	24.0	10.9										
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG TC Drain Wire																		
Plenum • Foam FEP Teflon® Insulation • Flamarrest® Jacket (Available in Natural White or Purple)																		
75°C, Non-conduit	**1801B**	NEC: CMP CEC: CMP FT6	1	Black, Red	500	152.4	6.0	2.7	23.7Ω/M′	18.9Ω/M′	.165	4.19	110	78%	12	39	26	85
					U-1000	U-304.8	14.0	6.4	77.7Ω/km	62.0Ω/km								
					1000	304.8	12.0	5.5										
24 AWG Stranded (7x32) TC Conductors • Dual Twisted Pairs • Overall Beldfoil Shield (100% Coverage) • 24 AWG TC Drain Wire																		
Datalene Insulation • Purple PVC Jacket in Zip-Cord Construction																		
60°C	**1802B**	NEC: CMG CEC: CMG FT4	2	Black, Red	500	152.4	16.5	7.5	23.7Ω/M′	18.9Ω/M′	.180	4.57	110	76%	12	39	26	85
					U-1000	U-304.8	35.0	15.9	77.7Ω/km	62.0Ω/km	x	x						
					1000	304.8	37.0	16.8			.360	9.14						
22 AWG Stranded (7x30) TC Conductors • Twisted Pair with Fillers • Overall Beldfoil + TC Braid Shield (90% Coverage) • 24 AWG Drain Wire																		
Datalene Insulation • Black High-Flex Matte PVC Jacket																		
DMX512 Type High-Flex 60°C	**1696A**	—	1	Blue, White	250	76.2	8.0	3.6	17.8Ω/M′	4.6Ω/M′	.234	5.94	110	76%	13	43	26	85
					500	152.4	14.5	6.6	48.5Ω/km	15.2Ω/km								
					U-1000	U-304.8	30.0	13.6										
					1000	304.8	32.0	14.5										

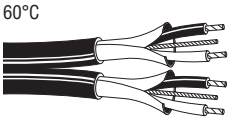
For cross-connect use with 7891A (et al.) Digital Audio Snake Cables, see page 19.28.

For cross-connect use with 1803F (et al.) Digital Audio Snake Cables, see page 19.28.

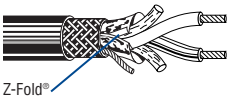
For Plenum version of 1800B, see 1801B.

◆500 ft. put-up available in Gray only. 5000 ft. put-up available in Purple only.
The jacket and shield are bonded so both can be removed with automatic stripping equipment.

▲500 ft. and 1000 ft. put-ups available in Black only.



The jacket and shield are bonded so both can be removed with automatic stripping equipment.



BC = Bare Copper • DCR = DC Resistance • FEP = Fluorinated Ethylene Propylene • HC = High-conductivity • TC = Tinned Copper

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

Teflon is a DuPont trademark.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

AES/EBU Digital Audio Cable

Multi-Pair Snake Cables
Individually Shielded and Jacketed Pairs

BRILLIANCE®

Individually Shielded and Jacketed Pairs

NEC: CMG (CEC: CMG FT4)

Product Description

26 AWG or 24 AWG stranded tinned copper conductor. Datalene® insulation. Pairs individually shielded with bonded Beldfoil® with a drain wire and have numbered and color-coded PVC jackets (see Chart 7 in Technical Information Section for colors). Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Overall Beldfoil shield/drain wire plus overall Purple PVC jacket and nylon rip cord.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

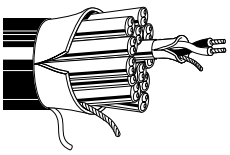
Color Code: Black, Red.

Specifications

Nominal OD — Conductor	
26 AWG	.019″ (.48mm)
24 AWG	.024″ (.60mm)
Nominal OD — Insulation	
26 AWG	.054″ (1.37mm)
24 AWG	.070″ (1.78mm)
Inner Pair Jacket OD	
26 AWG	.136″ (3.45mm)
24 AWG	.167″ (4.24mm)
Approvals	
NEC	CMG
CEC	CMG FT4
Nominal DCR (26 AWG)	
Conductor	37.3Ω/M′ (122.3Ω/km)
Shield	25.5Ω/M′ (83.6Ω/km)
Nominal DCR (24 AWG)	
Conductor	23.7Ω/M′ (77.7Ω/km)
Shield	18.9Ω/M′ (62.0Ω/km)
Nominal Impedance	110Ω ±10Ω
Nominal Velocity of Propagation	76%
Nominal Capacitance (26 AWG)	
Between Conductors	12.5 pF/Ft. (41 pF/m)
Between Conductor/Shield*	25 pF/Ft. (82 pF/m)
Nominal Capacitance (24 AWG)	
Between Conductors	12 pF/Ft. (39 pF/m)
Between Conductor/Shield*	26 pF/Ft. (86 pF/m)

DCR = DC Resistance

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



Part No.	No. of Pairs	Standard Lengths		Standard Unit Weight		Nominal OD	
		Ft.	m	Lbs.	kg	Inch	mm
Individually Shielded & Jacketed NEC: CMG (CEC: CMG FT4)							
26 AWG (7x34)							
7891A	2	500	152.4	28.0	12.7	.343	8.71
		1000	304.8	56.0	25.5		
7890A	4	100	30.5	8.2	3.7	.399	10.13
		250	76.2	18.0	8.2		
		500	152.4	31.0	14.1		
		1000	304.8	61.0	27.7		
7880A†	8	250	76.2	28.0	12.7	.541	13.74
		500	152.4	57.0	25.9		
		1000	304.8	142.0	64.4		
Fits metal shell 25-pin D-sub connectors.							
7892A	12	500	152.4	85.5	37.9	.679	17.25
		1000	304.8	174.0	79.1		
7893A	16	500	152.4	109.5	49.8	.770	19.56
		1000	304.8	240.0	109.1		
Individually Shielded & Jacketed NEC: CMG (CEC: CMG FT4)							
24 AWG (7x32) • **Flexible**							
1803F	4	500	152.4	57.5	26.1	.488	12.39
		1000	304.8	107.0	48.6		
1805F	8	500	152.4	106.5	48.3	.661	16.79
		1000	304.8	211.0	95.7		
1806F	12	500	152.4	160.0	72.6	.829	21.06
		1000	304.8	330.0	149.7		
1850F	16	500	152.4	208.0	94.4	.944	23.98
		1000	304.8	407.0	184.6		
1852F	24	500	152.4	321.0	145.6	1.205	30.61
		1000	304.8	644.0	292.1		
1854F	32	1000	304.8	841.0	381.5	1.346	34.19

†7880A is designed to fit in 25-pin D-sub connectors used in digital console board equipment.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

AES/EBU Digital Audio Cable

Multi-Pair Snake Cables
Individually Shielded Pairs

BRILLIANCE®

Individually Shielded Pairs

NEC: CM (CEC: CM)

Product Description

24 AWG stranded (7x32) tinned copper conductors. Datalene® insulation. Twisted pairs individually Beldfoil® shielded (100% Coverage). Overall Chrome PVC jacket and 24 AWG stranded tinned copper drain wire.

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

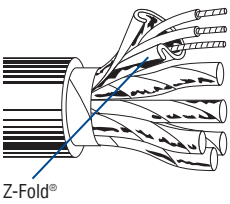
Color Code: See Chart 3 (in Technical Information Section)

Specifications

Nominal OD — Conductor	.024″ (.60mm)
Nominal OD — Insulation	.061″ (1.55mm)
Approvals	
NEC	CM
CEC	CM
UL Ratings	UL AWM Style 2493
Voltage Rating	300V
Temperature Rating	60°C
Non UL Temperature Rating	80°C
Nominal DCR	
Conductor	24.0Ω/M′ (78.7Ω/km)
Shield	15.0Ω/M′ (49.2Ω/km)
Nominal Impedance	100Ω
Nominal Velocity of Propagation	76%
Nominal Capacitance	
Between Conductors	12.5 pF/Ft. (41.0 pF/m)
Between Conductor/Shield*	23.2 pF/Ft. (76.1 pF/m)

DCR = DC Resistance

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



Z-Fold®

Part No.	No. of Pairs	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nominal OD Inch	Nominal OD mm
Individually Shielded Pairs NEC: CM (CEC: CM)							
24 AWG							
9729	2	100	30.5	4.3	2.0	.266	6.76
		500	152.4	20.5	9.3		
		1000	304.8	39.0	17.7		
		10000 †	3048.0	390.0	176.9		
For Plenum version of 9729, see 89729 or 82729.							
9730	3	100	30.5	5.1	2.3	.334	8.48
		500	152.4	24.5	11.1		
		1000	304.8	46.0	20.9		
		10000 ††	3048.0	520.0	236.4		
For Plenum version of 9730, see 89730.							
9728	4	100	30.5	6.0	2.7	.363	9.22
		500	152.4	29.0	13.2		
		1000	304.8	51.0	23.1		
For Plenum version of 9728, see 89728.							
9731	6	100	30.5	7.4	3.4	.421	10.69
		500	152.4	42.0	19.1		
		1000	304.8	83.0	37.7		
For Plenum version of 9731, see 89731.							
9732	9	100	30.5	9.9	4.5	.488	12.40
		500	152.4	57.0	25.8		
		1000	304.8	106.0	48.1		
For Plenum version of 9732, see 89732.							
9733	11	500	152.4	75.0	34.1	.575	14.61
9734	12	500	152.4	79.5	36.1	.575	14.61
		1000	304.8	154.0	70.0		
For Plenum version of 9734, see 89734.							
9735	15	500	152.4	95.0	43.2	.639	16.23
		1000	304.8	185.0	84.1		
9736	17	500	152.4	103.5	47.0	.671	17.04
		1000	304.8	210.0	95.5		
9737	19	1000	304.8	231.0	105.0	.671	17.04
9738	27	1000	304.8	334.0	151.8	.797	20.24

† Total length may vary -10 to +5% from length shown and may contain 2 pieces. Minimum length of any one piece will be 1500 ft.
†† Total length may vary -10 to +20% from length shown and may contain 2 pieces. Minimum length of any one piece will be 1500 ft.

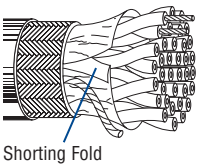
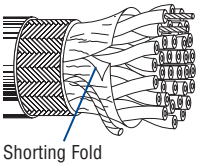
견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Precision Video Cable for Analog and Digital

Parallel Digital Video

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Pairs	Color Code	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Nom. DCR Cond.	Nom. DCR Shield	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nom. Capacitance * pF/ Ft.	Nom. Capacitance * pF/ m	Nom. Capacitance ** pF/ Ft.	Nom. Capacitance ** pF/ m
28 AWG Stranded (7x36) TC Conductors • Twisted Pairs • Overall Beldfoil® + TC Braid Shield (65% Coverage) • TC Drain Wire†																		
Datalene® Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)  Shorting Fold	**8142**	NEC: CL2	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	6.8 33.0 66.0	3.1 15.0 30.0	65.0Ω/M′ 213.0Ω/km	3.1Ω/M′ 10.1Ω/km	.375	9.52	120	78%	11.0	36.1	20.0	65.6
24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil + TC Braid Shield (65% Coverage) • TC Drain Wire††																		
Datalene Insulation • Chrome PVC Jacket																		
UL AWM Style 2919 (30V 80°C)  Shorting Fold	**8112**	NEC: CM NEC: CM	12.5 (12 pairs + 1 single)	See Chart 5 (Tech Info Section)	100 500 1000	30.5 152.4 304.8	9.2 51.0 101.0	4.2 23.1 45.8	24.0Ω/M′ 78.7Ω/km	2.4Ω/M′ 7.9Ω/km	.440	11.18	100	78%	12.5	41	22	72.2

DCR = DC Resistance • TC = Tinned Copper

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

† Drain wire is 28 AWG stranded tinned copper
†† Drain wire is 24 AWG stranded tinned copper

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

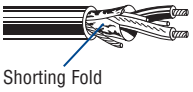
견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Precision Video Cable for Analog and Digital

Digital Video Time Code and
Precision Video Twinax

BRILLIANCE®

Description	Part No.	UL NEC/ C(UL) CEC Type	Standard Lengths Ft.	Standard Lengths m	Standard Unit Weight Lbs.	Standard Unit Weight kg	Conductor (stranding) Diameter Nom. DCR	Nominal Core OD Inch	Nominal Core OD mm	Shielding Materials Nom. DCR	Nominal OD Inch	Nominal OD mm	Nom. Imp. (Ω)	Nom. Vel. of Prop.	Nominal Capacitance pF/Ft.	Nominal Capacitance pF/m	Nominal Attenuation MHz	Nominal Attenuation dB/ 100 Ft.	Nominal Attenuation dB/ 100m
110 Ohm • 26 AWG Stranded (7x34) .018″ TC Conductors • Twisted Pair • Beldfoil® Shield (100% Coverage) • 26 AWG Stranded TC Drain Wire																			
Datalene® Insulation (Color Code: Black, White) • **PVC Jacket** (Chrome or Purple)																			
75°C	**9180**	NEC:	1000	304.8	10.0	4.5	26 AWG	.049	1.24	Beldfoil	.144	3.66	110	76%	13.0	42.7	.38	.8	2.6
		CMR					(7x34)			w/Stranded							.77	1.2	4.0
		CEC:					.018″			TC Drain							1.0	1.3	4.3
		CMG FT4					TC			Wire							1.5	1.5	5.0
Shorting Fold							37.3Ω/M′			23.1Ω/M′							2.0	1.7	5.6
							122.3Ω/km			75.8Ω/km							3.1	1.9	6.3
																	4.1	2.1	7.0
																	5.6	2.4	8.0
																	8.2	2.8	9.3
																	11.3	3.1	10.3
																	12.3	3.2	10.6
																	24.6	4.2	14.0
Twinax • 124 Ohm • 16 AWG Solid .051″ BC Conductors • Duofoil® (100% Coverage) + TC Braid Shield (90% Coverage)																			
Foam Polyethylene Insulation (Color Code: Clear, Blue) • **Black PVC Jacket**																			
UL AWM	**9860**	NEC:	500	152.4	52.0	23.6	16 AWG	.322	8.18	Duofoil	.440	11.18	124	78%	10.9	35.8	1	.2	.6
Style 2448		CMX	1000	304.8	103.0	46.8	(solid)			+ 90%							10	.7	2.3
(30V 60°C)		CEC:	2000	609.6	202.0	91.8	.051″			TC Braid							50	1.8	5.9
		CMX					BC			1.3Ω/M′							100	2.9	9.5
							4.2Ω/M′			4.3Ω/km							200	4.1	13.5
							13.8Ω/km										400	6.2	20.3

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

Contact the Belden Customer Service Department for a Comprehensive Connector Cross Reference. **1-800-BELDEN-1**.

Maximum Transmission Distance at Serial Digital Data Rates

Data Rate:	143 Mb/s		177 Mb/s		270 Mb/s		360 Mb/s		540 Mb/s		1.5 Gb/s	
Spec:	SMPTE 259M		ITU-R BT. 601		SMPTE 259M		SMPTE 259M		SMPTE 344M*		SMPTE 292M	
Application:	Composite NTSC		Composite PAL		Component Video		Component Widescreen		Component Widescreen		HDTV	
Part No.	Ft.	m	Ft.	m	Ft.	m	Ft.	m	Ft.	m	Ft.	m
1865A	810	247	760	232	600	183	520	158	420	128	170	52
8279	910	277	810	247	640	195	550	168	440	134	170	52
1855A–7787A	1000	305	910	277	750	229	650	198	530	162	210	64
9209	1030	314	930	283	750	229	650	198	540	165	200	61
9209A	1030	314	930	283	750	229	650	198	540	165	200	61
1505A–7794A	1430	436	1320	402	1110	338	960	293	790	241	300	91
1505F	1200	366	1071	326	857	261	732	223	588	179	225	69
1506A	1360	415	1200	366	940	286	810	247	670	204	270	82
9231	1430	436	1270	387	1000	305	850	259	680	207	260	79
9141	1430	436	1270	387	1000	305	850	259	680	207	260	79
8281	1430	436	1270	387	1000	305	860	262	700	213	260	79
8281B	1430	436	1270	387	1000	305	850	259	680	207	250	76
8281F	1250	381	1100	335	860	262	730	222	590	180	240	73
88281	1300	396	1150	351	910	277	770	235	600	183	200	61
1694A–7710A	1760	536	1620	494	1360	415	1180	360	970	296	370	113
1695A	1670	509	1520	463	1250	381	1080	329	880	268	310	94
7855A	2220	677	2000	610	1670	509	1460	445	1210	369	470	143
7731A	2730	832	2460	750	2000	610	1740	530	1430	436	540	165
7732A	2420	738	2140	652	1690	515	1440	439	1150	351	430	131

*Values proposed at time of printing.

The serial digital interconnect standards are designed to operate where the signal loss at 1/2 the clock frequency does not exceed the approximate loss values listed below.

The maximum length values shown are based on typical attenuation values for the cables listed and the following criteria:

Maximum length = 30 dB loss at 1/2 the clock frequency: SMPTE 259M, PAL, Widescreen.

Maximum length = 20 dB loss at 1/2 the clock frequency: SMPTE 292M.

The bit error rate (BER) can vary dramatically as the calculated distances are approached. BER is dependent on receiver design and the losses of the actual coax used.

Distribution and routing equipment manufacturers should be contacted to verify their maximum recommended transmission.

Return Loss Headroom — Refer to graph on page 19.78.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Thermostat & Control Cable

Commercial Applications
Shielded

NEW GENERATION®

Overall Shielded Twisted Pairs

CMR/CMG FT4 Rated

Product Description

Tinned copper conductors, Datalene® insulation. Conductors twisted into pairs, overall Beldfoil® shield (100% coverage), tinned copper drain wire, overall Brown PVC jacket. Sequential footage marking every two feet.

Color Code: Black & White, Green & Red.

Specifications

Conductor	Bare Copper
Insulation	Datalene
Shield	Beldfoil
Jacket	PVC
Approvals	
NEC	CMR
CEC	CMG FT4
Voltage Rating	300V
Temperature Rating	75°C

Applications

- Thermostat and control cable

Part No.	No. of Pairs	Stranding	Standard Lengths		Standard Unit Weight		Outer Jacket Thickness		Nominal OD	
			Ft.	m	Lbs.	kg	Inch	mm	Inch	mm
Overall Shielded Twisted Pairs (NEC CMR and CEC CMG FT4)										
24 AWG										
5660FT	1	solid	1000	305	11.0	5.0	.015	.38	.138	3.50
5661PT	2	solid	1000	305	18.0	8.2	.015	.38	.165	4.19
22 AWG										
5540FT	1	7	1000	305	15.0	6.8	.015	.38	.172	4.37
5541PT	2	7	1000	305	25.0	11.3	.015	.38	.202	5.13
18 AWG										
5340FT	1	7	1000	305	34.0	15.4	.015	.38	.260	6.60
5341PT	2	7	1000	305	58.0	26.3	.015	.38	.308	7.82

Stranded Conductor

Solid Conductor

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

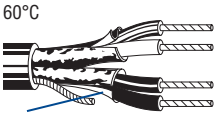
케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Alarm, Security and Speaker Cable / Shielded Audio Cable

Multi-conductor Cables for Residential, Light Commercial and Institutional Applications, AES/EBU Digital Audio Cables, and Audio and Control Interconnect Cables

Description	Part No.	UL NEC/ C(UL) CEC Type	No. of Cond.	Color Code	Standard Lengths		Standard Unit Weight		Insulation Thickness		Outer Jacket Thickness		Nominal OD	
					Ft.	m	Lbs.	kg	Inch	mm	Inch	mm	Inch	mm
Multi-conductor • 22 AWG Stranded (7x30) Bare Copper Conductors														
Non-Plenum • Polypropylene Insulation • PVC Jacket (Beige, Brown, Orange, Yellow, Green, Blue, Purple, Gray or Natural)														
300V 75°C	**5500UG**	NEC: CM CEC: CM FT1	2	Black, Red	C-500 U-500 C-1000 U-1000	C-152.4 U-152.4 C-304.8 U-304.8	3.5 5.0 7.0 9.0	1.6 2.3 3.2 4.1	.006	.15	.015	.38	.114	2.90
Jacket sequentially marked at 2 ft. intervals.														
300V 75°C	**5502UG**	NEC: CM CEC: CM FT1	4	Black, Red, White, Green	C-500 U-500 * C-1000 U-1000	C-152.4 U-152.4 C-304.8 U-304.8	6.5 7.5 13.0 14.0	3.0 3.4 5.9 6.4	.006	.15	.015	.38	.131	3.33
*U-500 ft. put-up available in Gray or White only. Jacket sequentially marked at 2 ft. intervals.														
Multi-conductor • 18 AWG Stranded (7x26) Bare Copper Conductors														
Non-Plenum • Polypropylene Insulation • PVC Jacket (Available in Black, Gray or Natural)														
300V 75°C	**5300UG**	NEC: CM CEC: CM FT1	2	Black, Red	C-500 U-500 U-1000	C-152.4 U-152.4 U-304.8	7.5 8.5 16.0	3.4 3.9 7.3	.006	.15	.015	.38	.148	3.76
Jacket sequentially marked at 2 ft. intervals.														

Shielded Audio Cable

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
AES/EBU Digital Audio • 24 AWG Stranded (7x32) TC Conductors • Twisted Pairs • Overall Beldfoil® Shield (100% Coverage) • 24 AWG Drain Wire																		
Datalene® Insulation • Gray or Purple PVC Jacket																		
60°C	**1800B**	NEC: CMG CEC: CMG FT4	1	Black, Red	500 ♦ U-1000 1000 5000 ♦	152.4 U-304.8 304.8 1524.0	8.0 17.0 16.0 90.0	3.6 7.7 7.3 40.9	23.7Ω/M′ 77.7Ω/km	18.9Ω/M′ 62.0Ω/km	.177	4.50	110	76%	12	39	26	85
♦500 ft. put-up available in Gray only. 5000 ft. put-up available in Purple only. The jacket and shield are bonded so both can be removed with automatic stripping equipment.										For cross-connect use with 1803F (et al.) Digital Audio Snake Cables, see page 19.28 For Plenum version of 1800B, see 1801B.								
Audio and Control Interconnect • 22 AWG Stranded (7x30) TC Conductors • Twisted Pairs • 24 AWG Stranded TC Drain Wire																		
Polypropylene Insulation • Chrome PVC Jacket (Pairs Cabled on Common Axis to Reduce Diameter)																		
60°C  Z-Fold®	**8723**	NEC: CM CEC: CM	2	Red/Black, Green/White	100 U-500 500 U-1000 1000 1640 U-2000 2000 3280 5000 10000	30.5 U-152.4 152.4 U-304.8 304.8 499.9 U-609.6 609.6 999.7 1524.0 3048.0	2.3 10.5 10.0 20.0 20.0 32.8 38.0 40.0 65.6 95.0 200.0	1.0 4.8 4.5 9.1 9.1 14.9 17.2 18.2 29.8 43.2 90.9	14.7Ω/M′ 48.5Ω/km	15.0Ω/M′ 49.2Ω/km	.160	4.06	45	66%	35	115	62	203
										Pairs Individually Shielded with Beldfoil® (100% Coverage) For Plenum versions of 8723, see 88723, 87723 or 82723.								

BC = Bare Copper • DCR = DC Resistance • TC = Tinned Copper

For additional selection of Belden® Audio Cables, refer to the Broadcast Cables section of this catalog.

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

Datalene insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr

케이블 콘(주) 기술지원팀 :: 콘넥터 문의 0707-434-7701 케이블 문의 0707-434-7702

Insulations and Jackets

Overview

Insulations

Belden expends a great amount of time and effort to formulate its own insulations. As a result, Belden® insulations provide superior performance under a variety of hostile environmental conditions. Belden cables are available in UL Listed and CSA Approved insulation compounds.

Among the insulations we utilize are:

- **Polyethylene**
- **Polyvinyl-chloride (PVC)**
- **Polypropylene**

Also available are:

- **Datalene® —** For computer and data transmission. Datalene is crush resistant, lightweight, and offers good performance characteristics over a wide range of temperatures.
- **Teflon® Insulated Plenum & High-Temperature Cables —** For data communications, instrumentation/control, and other commercial and industrial applications. Plenum cables eliminate the need for conduit and reduce installation time.

Jackets

Belden electronic cables are manufactured in a wide selection of jacketing materials.

- **Flamarrest® —** A Belden jacketing innovation, Flamarrest is a low-smoke, flame retardant compound that is five times more flexible than fluorocopolymer. Cables jacketed with Flamarrest are cost efficient and easy to install.

Also included in our wide selection of jacketing compounds are:

- **Polyvinyl-chloride**
- **Polyethylene**
- **Polyurethane**
- **Teflon**
- **Tefzel®**
- **Halar®**
- **Neoprene**
- **EPDM**
- **Hypalon®**
- **Silicone rubber**
- **Natural rubber**

Special compounds and variations of standard compounds are used as well.

Teflon, Tefzel and Hypalon are DuPont trademarks.
Halar is an Ausimont Corporation trademark.

견적문의 Belden114@CableCon.kr / 0707-434-7704 / Fax. 02-744-0909 / www.CableCon.co.kr