Belden Audio/Video Cables

Multicore Cables – analog

FLEX/braid



Description UL AWM	AWM ULNEC of		Standard Lengths		Std. Unit	Outer Jacket Thickness		Nominal O.D.	
Style	CEC Type	Pairs	ft.	m	kg	Inch	mm	Inch	mm

Product Description

26 Gage

(0.14 mm²) (18 x 0.1)

46212

Belden 46-analog-series is a flexible audio snake cable with an overall braid shield. This makes the cable suitable for mobile applications. Jacketed pairs are individually numbered for easy identification.

1640

Tinned copper, single-insulation: PE, each pair of a Red and a White insulated single and shielded first with a polyester foil and then with a spiral screening of 0.10 mm tinned copper (> 90% coverage). Each screened pair jacket with a numbered PVC jacket. Pairs twisted together in a layer with a central filler and shielded with a non-woven foil. Overall tinned braid (>80% coverage). Jacket matte soft PVC, color code: Black

Pair Dimensions & Electricals

Nominal O.D. Insulation	0.044 inch	1.13 ± 0.03 mm
Inner Pair Jacket O.D	118 inch	$3.0 \pm 1 \text{ mm}$
DC loop resistance at 20 ± 5 C	260 Ω/km (max.)
Capacitance at 1 kHz	70 ± nF/km	
Nominal Impedance (ohms)	90 ± 20 \O	
Nominal velocity of		
Propagation	66%	
Next	< 0.1 MHz	> 75 dB
Nominal Attenuation	0.1 MHz	> 1.4 dB
	1.0 MHz	> 3.6 dB
	4.0 MHz	> 7.5 dB

40312	4	1040	300	91.0	0.173	4.40	0.492	12.5
46313	8	1640	500	136.5	0.150	3.80	0.591	15.0
46315	12	1640	500	169.0	0.126	3.20	0.638	16.2
46305	16	1640	500	201.0	0.130	3.30	0.709	18.0
46306	24	820	250	154.0	0.157	4.00	0.882	22.4
46332	28	820	250	174.0	0.157	4.00	0.921	23.4
46333	32	820	250	190.8	0.157	4.00	0.988	25.1
46334	36	820	250	213.3	0.154	3.90	1.055	26.8
46948	40	820	250	245.0	0.154	3.90	1.083	27.5
	46315 46305 46306 46332 46333 46334	46313 8 46315 12 46305 16 46306 24 46332 28 46333 32 46334 36	46313 8 1640 46315 12 1640 46305 16 1640 46306 24 820 46332 28 820 46333 32 820 46334 36 820	46313 8 1640 500 46315 12 1640 500 46305 16 1640 500 46306 24 820 250 46332 28 820 250 46333 32 820 250 46334 36 820 250	46313 8 1640 500 136.5 46315 12 1640 500 169.0 46305 16 1640 500 201.0 46306 24 820 250 154.0 46332 28 820 250 174.0 46333 32 820 250 190.8 46334 36 820 250 213.3	46313 8 1640 500 136.5 0.150 46315 12 1640 500 169.0 0.126 46305 16 1640 500 201.0 0.130 46306 24 820 250 154.0 0.157 46332 28 820 250 174.0 0.157 46333 32 820 250 190.8 0.157 46334 36 820 250 213.3 0.154	46313 8 1640 500 136.5 0.150 3.80 46315 12 1640 500 169.0 0.126 3.20 46305 16 1640 500 201.0 0.130 3.30 46306 24 820 250 154.0 0.157 4.00 46332 28 820 250 174.0 0.157 4.00 46333 32 820 250 190.8 0.157 4.00 46334 36 820 250 213.3 0.154 3.90	46313 8 1640 500 136.5 0.150 3.80 0.591 46315 12 1640 500 169.0 0.126 3.20 0.638 46305 16 1640 500 201.0 0.130 3.30 0.709 46306 24 820 250 154.0 0.157 4.00 0.882 46332 28 820 250 174.0 0.157 4.00 0.921 46333 32 820 250 190.8 0.157 4.00 0.988 46334 36 820 250 213.3 0.154 3.90 1.055

01 5 0 172

0.069

42.5

85.0

1.753

0.458

11.63

STAR QUAD (1172A)



	Description UL AWM Style	C (III.)	No. of Quads	Standard Lengths		Std. Unit	Jacket Thickness		Nominal O.D.	
				ft.	m	kg	Inch	mm	Inch	mm

Product Description

26 Gage (0.14 mm²)

7884 A

Quad snakes are used for connection of multiple microphones to patch panels, mixer boards, or sound rooms. Quad technology offers the best noise rejection for mic and line level applications. Belden's flexible quad snakes feature a Belden patented French Braid® for superior noise rejection

152.4

304.8

500

1000

Each guad construction includes four 26 AWG stranded (30 x 40) bare copper polyethylene insulated conductors, colorcoded Blue, White, Blue with a White stripe, and White with a Blue stripe. A patented copper **French Braid**® is applied over the four conductors with a 26 AWG (7 x 38) tinned copper drain wire. Each quad is individually jacketed using a PVC internal jacket, available in the following color code: Brown (1), Red (2), Orange (3), Yellow (4), Green (5), Blue (6), Violet (7), Grey (8) White (9), Black (10), Beige (11), Pink (12), and Grey (numb from 13 to 24 quads). It includes an additional overall 20 AWG tinned copper drain wire.

Quad snakes are available in an overall Black jacket.

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Ouad	Dimensions	R.	Flectrical	ł۷

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Nominal O.D. Conductor	.0.02 inch	0.508 mm
Nominal O.D. Insulation	.0.045 inch	1.143 mm
Inner Pair Jacket O.D	.0.057 inch	3.988 mm
Nominal D.C.R. Conductor	. 36 Ω/1.000f	11.8 Ω /100 m
Nominal D.C.R. Shield	. 6.8 Ω/1.000f	$2.23~\Omega/100~\text{m}$
Nominal Impedance (ohms)	. 40 Ω	
Nominal Velocity of Prop	.66%	
Nominal Capacitance		
between conductors @ 1 KHz	. 39.2 pF/ft.	128.6 pF/m
Nominal Capacitance		
between conductors		
in Quad configuration	.57.4 pF/ft.	188.4 pF/m

7885A	4	500 1000	152.4 304.8	63.0 126.0	0.057	1.448	0.498	12.65
7886A	8	500 1000	152.4 304.8	159.0 318.0	0.09	2.286	0.782	19.86
7887A	12	500 1000	152.4 304.8	172.0 344.0	0.085	2.159	0.828	21.03
7888A	16	500 1000	152.4 304.8	234.0 468.0	0.097	2.464	0.938	23.83
7889 A	24	500 1000	152.4 304.8	376.0 752.0	0.142	3.607	1.232	31.29
	7886A 7887A 7888A	7886A 8 7887A 12 7888A 16	7886A 8 500 1000 7887A 12 500 1000 7888A 16 500 1000 7889A 24 500	7886A 8 500 152.4 1000 304.8 7887A 12 500 152.4 1000 304.8 7888A 16 500 152.4 1000 304.8 7889A 24 500 152.4 1000 304.8	7886A 8 500 152.4 159.0 304.8 318.0 7887A 12 500 152.4 172.0 304.8 344.0 7888A 16 500 152.4 234.0 304.8 344.0 7889A 24 500 152.4 376.0	7886A 8 500 152.4 159.0 304.8 318.0 7887A 12 500 152.4 172.0 304.8 344.0 0.085 34.8 344.0 7888A 16 500 152.4 234.0 304.8 344.0 468.0 0.097 304.8 468.0 7889A 24 500 152.4 376.0 0.142	7886A 8 500 152.4 159.0 304.8 318.0 126.0 0.09 2.286 7887A 12 500 152.4 172.0 304.8 344.0 1000 304.8 344.0 12.159 1000 304.8 344.0 344.0 1000 304.8 344.0 1000 304.8 468.0 16 500 152.4 234.0 468.0 1000 304.8 304.8 306.0 0.097 304.8 306.0 304.8 306.0 30	7886A 8 500 152.4 159.0 304.8 318.0 126.0 0.09 2.286 0.782 7887A 12 500 152.4 172.0 1000 304.8 344.0 1000 304.8 344.0 1000 304.8 344.0 1000 304.8 344.0 1000 304.8 304.8 468.0 0.097 2.464 0.938 1000 304.8 468.0 1000 304.8 376.0 0.142 3.607 1.232