

CW Series Flat Cable

- ⊙ Available in 0.635mm(.025"), 1.00mm(.0393") and 1.27mm(.050") center spacing
- ⊙ Can be used for all flat cable Insulation Displacement Connectors (IDC)
- ⊙ With reference color red on first conductor
- ⊙ Order options with standard reel packing or for your desire cut length
- ⊙ UL & CSA certified



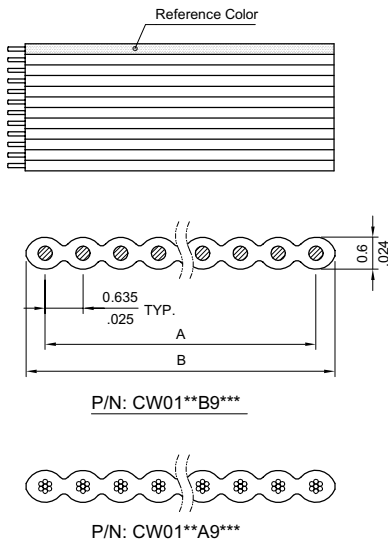
Standard Packing: 100 ft / Reel = 30,480 mm /Reel
 250 ft / Reel = 76,200 mm /Reel

Ordering Code

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CW
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|---|---|---|
| <p>① Series No.
 CW01= 0.635mm pitch
 CW02= 1.00mm pitch
 CW03= 1.27mm pitch</p> <p>② No. of conductors:
 See drawing</p> | <p>③ Conductors
 A= AWG#32 stranded (CW01)
 D= AWG#28 stranded (CW02 & CW03)</p> | <p>④ Insulator color: 9 = Gray</p> <p>⑤ Options: For desired length</p> |
|---|---|---|

CW01 Series 0.635mm(.025") Center Spacing Flat Cable



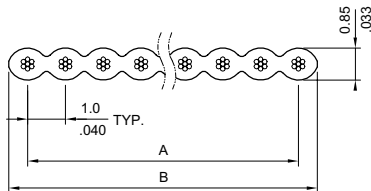
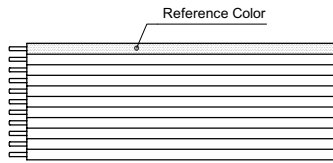
UL GRADE:
 UL No.: E162690
 UL STYLE: 2678
 Rate temperaturue: -20 To 105
 Rate voltage: 150V
 Flame Tast: UL-VW-1

PHYSICAL:
 Insulation material: Polyvinyl chloride (PVC)
 Conductor: #30 AWG (7 x 0.102) Stranded copper (P/N: CW01**A9***)
 #30 AWG Solid copper (P/N: CW01**B9***)
 Color: Gray with Red strip

ELECTRICAL CHARACTERISTICS:
 Impedance: 75 (Unblance)
 Capacitance: 22.5 PF/ft
 Inductance: .317 uH/ft
 Propagation Delay: 1.7 ns/ft
 Insulation resistance: 1G /m Min.

Circuits	Dimension	
	A	B
50	31.115(1.225)	31.75(1.250)
68	42.545(1.675)	43.18(1.700)
80	50.165(1.975)	50.805(2.000)

CW02 Series 1.00mm(.040") Center Spacing Flat Cable



Circuits	Dimension	
	A	B
20	19.0(.748)	20.0(.787)
44	43.0(1.693)	44.0(1.732)
50	49.0(1.929)	50.0(1.969)
68	67.0(2.638)	68.0(2.677)

UL & CSA GRADE:

UL No.: E162690
 UL STYLE: 2651
 Rate temperature: 105
 Rate voltage: 300V
 Flame Test: VW-1

CSA No.: LL103674
 CSA Standard: C22.2 No.210.2
 Rate temperature: 105
 Rate voltage: 300V
 Flame Test: FT1,FT2

CONDUCTOR: Stranded

AWG size: 28 AWG
 Number of strand in each conductor: 7/0.127mm

INSULATION:

Material of insulation: PVC, Color Gray

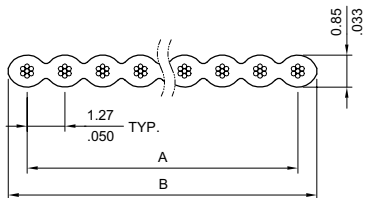
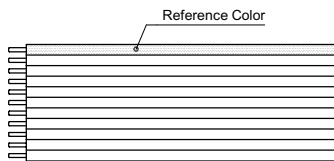
PHYSICAL ROPERTIES: after 7 days air oven at 136

Average tensile strength: 1500 lbs/inch
 Percent of original: 70% at least
 Average elongation: 200%
 Percent of original: 65% at least

ELECTRICAL CHARACTERISTICS:

Spark test: 2500V
 Dielectric strength test: Min. 2KV in 1 Minute
 Conductor resistance: Max. 237 /km
 Insulation resistance: Min. 1G /m
 Capacity: 40 PF/m
 Inductance: 1.45 uH/m
 Impedance: 100
 Propagation Delay Time: 4.2ns/m

CW03 Series 1.27mm(.050") Center Spacing Flat Cable



Circuits	Dimension	
	A	B
6	6.35(.250)	7.62(.300)
8	8.89(.350)	10.16(.400)
9	10.16(.400)	11.43(.450)
10	11.43(.450)	12.70(.500)
14	16.51(.650)	17.78(.700)
15	17.78(.700)	19.05(.750)
16	19.05(.750)	20.32(.800)
20	24.13(.950)	25.40(1.000)
24	29.21(1.150)	30.48(1.200)
25	30.48(1.200)	31.75(1.250)
26	31.75(1.250)	33.02(1.300)
30	36.83(1.450)	38.10(1.500)
34	41.91(1.650)	43.18(1.700)
37	45.72(1.800)	46.99(1.850)
40	49.53(1.950)	50.80(2.000)
50	62.23(2.540)	63.50(2.500)
60	74.93(2.950)	76.20(3.000)
64	80.01(3.150)	81.28(3.200)

UL & CSA GRADE:

UL No.: E162690
 UL STYLE: 2651
 Rate temperature: 105
 Rate voltage: 300V
 Flame Test: VW-1

CSA No.: LL103674
 CSA Standard: C22.2 No.210.2
 Rate temperature: 105
 Rate voltage: 300V
 Flame Test: FT1,FT2

CONDUCTOR: Stranded

AWG size: 28 AWG
 Number of strand in each conductor: 7/0.127mm

INSULATION:

Material of insulation: PVC, Color Gray

PHYSICAL ROPERTIES: after 7 days air oven at 136

Average tensile strength: 1500 lbs/inch
 Percent of original: 70% at least
 Average elongation: 200%
 Percent of original: 65% at least

ELECTRICAL CHARACTERISTICS:

Spark test: 2500V
 Dielectric strength test: Min. 2KV in 1 Minute
 Conductor resistance: Max. 237 /km
 Insulation resistance: Min. 1G /m
 Capacity: 40 PF/m
 Inductance: 1.45 uH/m
 Impedance: 100
 Propagation Delay Time: 4.2ns/m

Flat Cable Assemblies

Cost-effective flat ribbon cable assemblies, Ultra ATA66 and Ultra ATA100 are use extensively throughout the computer and data communications industries.

CviLux is fully equipped to competitively manufacture a vast selection of these products ranging from simple to complex configurations includes 1.27mm and 0.64mm pitch, accommodating all industry standard connectors.

We are available supply good quality and low cost of these cable assemblies with prompt delivery from each of cvilux's manufacturing facilities. Our cable assemblies have earned UL and CSA approval.

Please see below sketch of our standard cable harness and advise detail information of yours require, such as center spacing, circuits of connectors, configuration type and cable length then we may follow up accordingly.

Besides these standard harness, a special harness can be produced. Please consult us for details.

TYPE A	TYPE B	TYPE C	TYPE D
TYPE E	TYPE F	TYPE G	TYPE H