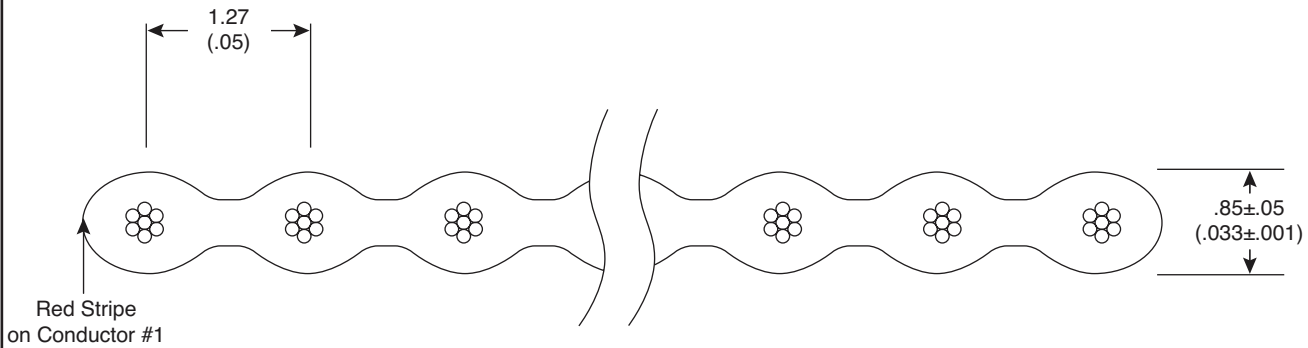


# IDC Flat Cables (100')



172-0902-E, 172-1010-E, 172-1402-E, 172-1602-E, 172-2002-E, 172-2502-E,  
172-2602-E, 172-3402-E, 172-4002-E, 172-5002-E, 172-6402-E

IDC Flat Cables (100')



**DIMENSIONS: mm (in.)**

## MATERIALS

<b>Conductor:</b>	stranded 28 AWG 7 conductor
<b>Insulation:</b>	polyvinyl chloride (PVC)
<b>Color:</b>	Grey w/Red Stripe
<b>Insulation thickness average:</b>	9mm
<b>Min. insulation thickness:</b>	7mm
RoHS Compliant	

## ELECTRICAL SPECIFICATIONS

<b>Rate temperature:</b>	105°C
<b>Rate voltage:</b>	300V
<b>Dielectric strength:</b>	2KV in 1 min.
<b>Conductor resistance:</b>	max. 237Ω/km
<b>Insulation resistance:</b>	min. 1GΩ/m
<b>Inductance:</b>	1.45μH/M
<b>Impedance:</b>	100Ω
<b>Propagation delay time:</b>	4.2ns/m

Mouser Stock No.	Number of Conductors
172-0902-E	9
172-1010-E	10
172-1402-E	14
172-1502-E	15
172-1602-E	16
172-2002-E	20
172-2502-E	25
172-2602-E	26
172-3402-E	34
172-4002-E	40
172-5002-E	50
172-6002-E	60
172-6402-E	64

172-0902-E, 172-1010-E, 172-1402-E, 172-1602-E, 172-2002-E, 172-2502-E,  
172-2602-E, 172-3402-E, 172-4002-E, 172-5002-E, 172-6402-E

Date Last Revised: 03/08/07

**Available from Mouser Electronics**  
**1-800-346-6873 / www.mouser.com**

KC-301131

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