

IDC Flat Cable (100')

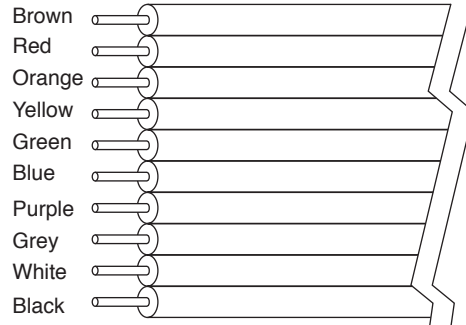


172-0902C, 172-1402C, 172-1602C, 172-2502C, 172-4002C, 172-6402C,
172-1010C, 172-1502C, 172-2002C, 172-2602C, 172-5002C

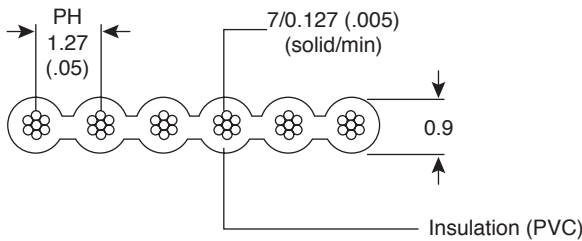
IDC Flat Cable (100')

Mouser Stock No.	Conductors
172-0902C	9
172-1010C	10
172-1402C	14
172-1502C	15
172-1602C	16
172-2002C	20
172-2502C	25
172-2602C	26
172-4002C	40
172-5002C	50
172-6402C	64

First Cable Color



Tolerance: ± 0.1 (.004)



Dimensions: mm (In.)

CONDUCTOR (Stranded tinned copper)	
AWG size:	28 AWG
Number of strands in each conductor:	7/0.127mm
Lay of strands in each conductor:	0.5" at least
Cross section area:	158mil

INSULATION	
Extruded PVC insulated singles bonded together	
Material of insulation:	Polyvinyl chloride (PVC) ten colors
Insulation thickness average:	9mil
Min. insulation thickness:	7mil

ELECTRONIC CHARACTERISTICS	
Spark test:	2500V
Dielectric strength test:	min. 2 KV in 1 minute
Conductor resistance:	max. 237 Ω /km
Insulation resistance:	min. 1G Ω /m
Capacity:	45pF/m
Inductance:	1.5 μ H/m
Impedance:	100 Ω
Propagation delay time:	4.2ns/m

PHYSICAL PROPERTIES (After 7 days air oven at 138°C)	
Average tensile strength:	1500 lbs/inch ²
Percent of original:	70% at least
Average elongation:	200%
Percent of original:	65% at least
Flat temperature:	105°C
Flat voltage:	300V

172-0902C, 172-1402C, 172-1602C, 172-2502C, 172-4002C, 172-6402C,
172-1010C, 172-1502C, 172-2002C, 172-2602C, 172-5002C

Date Last Revised: 10-15-05

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

KC-300694