



## FLAT RIBBON CABLE

INTERFACE UL E486063 STYLE AWM 2651 VW-1 105°C 300V 28AWG 1.27MM PITCH PVC GREY COLOR FLAT CABLE 100 FT/R

INTERFACE® (V1-FC-XXX Series) 28 AWG, (1.27mm) 0.050" pitch extruded grey ribbon cable is for general purpose electronic interconnect and internal wiring applications. These are flexible with tear feature for termination to IDC connectors. These cables are UL approved and passes the VW-1 Vertical Wire Flame Test.

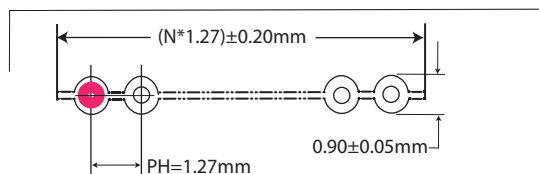
### Physical Specifications

Conductor	: 28 AWG
Material	: Tinned Copper
No. of Strands	: 7/0.127 mm
Insulation	: Grey PVC (Polyvinyl Chloride)
Pitch	: 0.050" ± 0.2mm
Avg. Tensile Strength	: 1,500 lbs/inch <sup>2</sup>
Temperature Rating	: 105° C
Flammability Rating	: VW-1
UL AWM Style	: 2651
Packaging	: 30.5 Mtrs (100 Ft)

### Electrical Specifications

Volatage Rating	: 300 V
Dielectric Strength	: Minimum 2 KV for 1 Minute
Conductor Resistance	: Maximum 237Ω/km
Insulation Resistance	: Minimum 100 MΩ/km
Impedance	: 105Ω
Capacitence	: 56 pF/m
Inductance	: 1.45 μH/m
Propogation Delay	: 4.65 ns/m

### Construction Drawing



### Construction Table

Number of Cores	Size of Conductor		Thickness (±0.05)	Width	Allowable Error	Part Number
	AWG	Composition				
6	28	7/0.125	0.9	7.62	±0.15	V1-FC-006A-01
8				10.16	±0.15	V1-FC-008A-01
10				12.70	±0.15	V1-FC-010A-01
14				17.78	±0.15	V1-FC-014A-01
16				20.32	±0.15	V1-FC-016A-01
18				22.86	±0.15	V1-FC-018A-01
20				25.40	±0.15	V1-FC-020A-01
24				30.48	±0.15	V1-FC-024A-01
26				33.02	±0.15	V1-FC-026A-01
34				43.18	±0.20	V1-FC-034A-01
40				50.80	±0.20	V1-FC-040A-01
50				63.50	±0.20	V1-FC-050A-01
64				81.28	±0.20	V1-FC-064A-01

### Part Number Explanation

V1 FC 010A 01

Number of cores

Wire Gauge : 28 AWG  
 Number of Cores : 6, 8, 10, 14, 16, 18, 20, 24, 26, 34, 40, 50 and 64