



FLAT RIBBON CABLE

INTERFACE UL E486063 STYLE AWM 2678 VW-1 105°C 150V 30AWG
0.635 MM PITCH PVC GREY COLOR FLAT CABLE 100 FT/R

INTERFACE® (V1-FC-XXX Series) 30 AWG, (1mm) 0.025" 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.

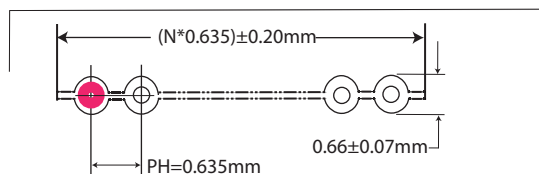
Physical Specifications

Conductor	: 30 AWG
Material	: Tinned Copper
No. of Strands	: 7/0.100 mm
Insulation	: Grey PVC (PolyvinylChloride)
Pitch	: 0.635mm ± 0.8mm
Avg. Tensile Strength	: 1,500 lbs/inch ²
Temperature Rating	: 105° C
Flammability Rating	: VW-1
UL AWM Style	: 2678
Packaging	: 30.5 Mtrs (100 Ft)

Electrical Specifications

Volatage Rating	: 150 V
Dielectric Strength	: Minimum 1.5 KV for 1 Minute
Conductor Resistance	: Maximum 361 Ω/km
Insulation Resistance	: Minimum 100 MΩ/km
Impedance	: 80 Ω
Capacitence	: 71 pF/m
Inductance	: 1.45 μH/m
Propogation Delay	: 5.20 ns/m

Construction Drawing



Construction Table

Number of Cores	Size of Conductor		Thickness (±0.07)	Width (N)	Allowable Error	Part Number
	AWG	Composition				
10	30	7/0.100	0.66	6.35	(±0.20)	V1-FC-010C-01
14				8.89	(±0.20)	V1-FC-014C-01
16				10.16	(±0.20)	V1-FC-016C-01
20				12.79	(±0.20)	V1-FC-020C-01
26				16.51	(±0.20)	V1-FC-016C-01
34				21.59	(±0.20)	V1-FC-016C-01
40				25.40	(±0.20)	V1-FC-016C-01
50				31.75	(±0.20)	V1-FC-016C-01

Part Number Explanation

V1FC **010C** **01**
 |
 Number of cores

Wire Gauge : 30 AWG
Number of Cores : 10, 14, 16, 20, 26, 34, 40 and 50