

Flat IDC Ribbon Cables

Grey 1.27mm Pitch

- **The first conductor is identified by a Red leading edge**
- **It is used in internal connection for computer, duplicator, facsimile, game, interface and many other electronic equipments**

Specifications

AWG Size	28 AWG
Number of Strands in Each Conductor	7/0.127 mm
Lay of Strands in Each Conductor	0.5 inch at least
Cross sectional area	156mm
Conductor Material	Tinned copper
Material of Insulation	Grey polyvinyl chloride (PVC), Extruded PVC insulated singles bonded together
Insulation Thickness Average	0.9 mm
Minimum Insulation Thickness	0.7 mm
Average Tensile Strength	1,500 lbs / inch ² (After 7 days air oven at 136°C)
Percent of Original	70% at least (After 7 days air oven at 136°C)
Average Elongation	200% (After 7 days air oven at 136°C)
Percent of Original	65% at least (After 7 days air oven at 136°C)
Spark Test	2,500 V
Dielectric Strength Test	Minimum 2 KV in 1 min
Conductor Resistance	Maximum 237 Ω / km
Insulation Resistance	Minimum 100 MΩ / km
Capacitance	45 pF / m
Inductance	1.5 μH / m
Impedance	100 Ω
Propagation Delay Time	4.2 ns / m
Temperature Rating	105°C
Voltage Rating	300 V
Reels	30.5 m



Flat IDC Ribbon Cables

Grey 1.27mm Pitch

Construction Table

Number of Cores	Size of Conductor		Thickness (±0.1)	Width (mm)	Allowable Error	Part No.	
	AWG	Composition				30m Roll	Per Metre
10	28	7/0.127	0.9	12.7	±0.3	CB1045	CB1046
14	28	7/0.127	0.9	17.78	±0.3	CB1050	CB1051
16	28	7/0.127	0.9	20.32	±0.3	CB1055	CB1056
20	28	7/0.127	0.9	25.4	±0.3	CB1060	CB1061
25	28	7/0.127	0.9	31.75	±0.3	CB1063	CB1064
26	28	7/0.127	0.9	33.02	±0.3	CB1065	CB1066
34	28	7/0.127	0.9	43.18	±0.4	CB1070	CB1071
36	28	7/0.127	0.9	45.72	±0.4	CB1072	CB1073
40	28	7/0.127	0.9	50.8	±0.4	CB1075	CB1076
50	28	7/0.127	0.9	63.5	±0.4	CB1080	CB1081

Construction Drawing

