

IDC Ribbon Cables

Grey 1.27mm (0.05") Pitch

PRO-POWER
Quality Cables



Features:

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

Specifications:

Conductor: Stranded

AWG size	: 28 AWG.
Number of strands in each conductor	: 7/0.127mm.
Lay of strands in each conductor	: 0.5 inch at least.
Cross sectional area	: 156 mil.
Material	: Tinned Copper.

Insulation:

Material of insulation	: Grey polyvinyl chloride (PVC).
Extruded PVC insulated singles bonded together.	
Insulation thickness average	: 9 mil.
Minimum insulation thickness	: 7 mil.

Physical properties: After 7 days air oven at 136°C

Average tensile strength	: 1500lbs/inch ² .
Percent of original	: 70% at least.
Average elongation	: 200%
Percent of original	: 65% at least.

Electronic characteristics:

Spark test	: 2500V.
Dielectric strength test	: Minimum 2KV in 1 minute.
Conductor resistance	: Maximum 237Ω/km.
Insulation resistance	: Minimum 100MΩ/km.
Capacitance	: 45pF/m.
Inductance	: 1.5μH/m.
Impedance	: 100Ω.
Propagation delay time	: 4.2ns/m.
Temperature rating	: 105°C.
Voltage rating	: 300V.
Reels	: 30.5m.

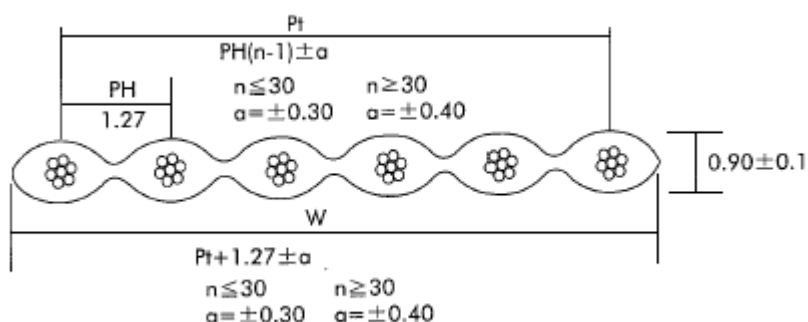
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Construction Drawing



Construction Table

Number of Cores	Size of conductor		Thickness (± 0.1)	Width	Allowable Error	Part Number
	AWG	Composition				
8	28	7/0.127	0.9	-	-	FCG-2808
9				11.43	± 0.30	FCG-2809
10				12.70		FCG-2810
14				17.78		FCG-2814
15				19.05		FCG-2815
16				20.32		FCG-2816
20				25.40		FCG-2820
24				-		FCG-2824
25				31.75		FCG-2825
26				33.02		FCG-2826
34				43.18	± 0.40	FCG-2834
36				45.72		FCG-2836
37				-	-	FCG-2837
40				50.80	± 0.40	FCG-2840
50				63.50		FCG-2850
60				76.20		FCG-2860
64				81.28		FCG-2864

Dimensions : Millimetres

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Part Number Explanation:

FCG

Type

28

Wire Gauge

08

Number of Cores

Wire Gauge

: 28 AWG.

Number of Cores

: 08, 09, 10, 14, 15, 16, 20, 24, 25, 26, 34, 36, 37, 40, 50, 60 and 64.

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Notes:

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