

IDC Ribbon Cables

pro-POWER

Grey 1.27 mm (0.05 Inches) Pitch



Features:

- 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:

Conductor : Stranded

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	: 156 mm
Material	: Tinned copper

Insulation

Material of Insulation	: Grey polyvinyl chloride (PVC)
Extruded PVC insulated singles bonded together	
Insulation Thickness Average	: 9 mm
Minimum Insulation Thickness	: 7 mm

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

Average Tensile Strength	: 1,500 lbs / inch ²
Percent of Original	: 70% at least
Average Elongation	: 200%
Percent of Original	: 65% at least

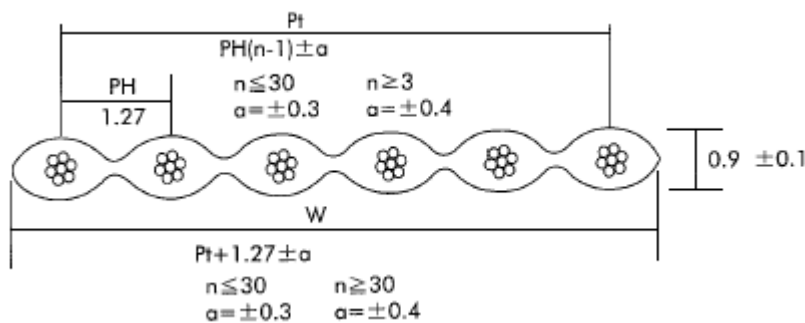
Electronic Characteristics

Spark Test	: 2,500 V
Dielectric Strength Test	: Minimum 2 KV in 1 min
Conductor Resistance	: Maximum 237 Ω / km
Insulation Resistance	: Minimum 100 M Ω / km
Capacitance	: 45 pF / m
Inductance	: 1.5 μ H / m
Impedance	: 100 Ω
Propagation Delay Time	: 4.2 ns / m
Temperature Rating	: 105°C
Voltage Rating	: 300 V
Reels	: 30.5 m

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Construction Drawing



Construction Table

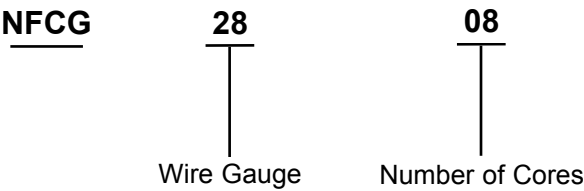
Number of Cores	Size of Conductor		Thickness (± 0.1)	Width	Allowable Error	Part Number
	AWG	Composition				
8	28	7/0.127	0.9	-	-	NFCG-2808
9				11.43	± 0.3	NFCG-2809
10				12.7		NFCG-2810
14				17.78		NFCG-2814
15				19.05		NFCG-2815
16				20.32		NFCG-2816
20				25.4		NFCG-2820
24				-		NFCG-2824
25				31.75		NFCG-2825
26				33.02		NFCG-2826
34				43.18	± 0.4	NFCG-2834
36				45.72		NFCG-2836
37				-	-	NFCG-2837
40				50.8	± 0.4	NFCG-2840
50				63.5		NFCG-2850
60				76.2		NFCG-2860
64				81.28		NFCG-2864

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Part Number Explanation:



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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