

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 |

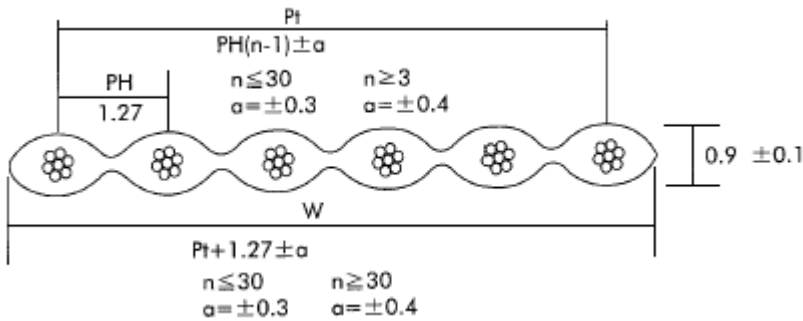
Electronic Characteristics

| | |
|--------------------------|-------------------------------|
| 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:

NFCG

28

08

Wire Gauge

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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