3M United States

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Product Catalog for Electronic Specialty Markets > 3M™ Cable & Assemblies > Internal Wiring > Round Conductor Flat Cable, .100 in Pitch, 8125 Series >

3M[™] Power Cable, .100" 24 AWG Stranded, Round Conductor Flat Cable, 8125/30, 100 ft.

30 conductors, PVC, Standard

Printer-friendly format



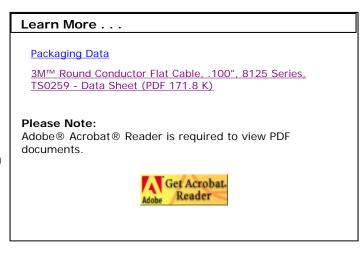
[click to enlarge]

GTIN(UPC/EAN): 0 00 54007 62071 6

3M Id: 80-6102-1110-6

Additional Information

- Designed for power applications requiring higher current carrying capability
- 24 AWG tinned stranded copper wire provides flexibility and extended product life
- Individually insulated conductors are laminated to a PVC backnig which can be zipped apart for branching or discrete terminations
- · RoHS compliant



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Characteristics

Flat Cable Style

0 Picofarad Capacitance -- Balanced 9.6 Picofarad Capacitance -- Unbalanced

Characteristic Impedance -- Unbalanced 136 Ohm

China RoHS - Below MCV Yes

Dark Gray Wires Color

Conductor Material Copper 25 Ohm **Conductor Resistance**

Conductors 24 AWG 7x32 [7x0.203] Tinned Stranded Copper

EU RoHS Compliant Yes **First Position Marking** Red FT1 Flammability Rating -- Canada Flammability Rating -- EU None Flammability Rating--USA VW-1 Impedance -- Balanced 0 Ohm 136 Ohm Impedance -- Unbalanced 0 Microhenry Inductance -- Balanced .18 Microhenry

Insulation Material Polyvinyl Chloride (PVC) **Insulation Resistance** >1x10^10 Ohm/10ft. [3m]

Jacket No

Inductance -- Unbalanced

-20 Degree Celsius **Lower Temperature Rating**

Polyvinyl Chloride (PVC) Material

Number of Conductors 30

0.100 Inch **Pitch**

Plating Material Tin Primary Configuration Parallel
Primary Insulation Color Dark Gray

Primary Insulation Material Polyvinyl Chloride (PVC)

Primary Trademark Name 3M

Propagation Delay -- Balanced 0 Nanosecond
Propagation Delay -- Unbalanced 1.30 Nanosecond

Shape Flat Shield No

Standard -- Canada AWM IA 80C 150V FT1

Standard -- USA AWM 20462 105C 300V VW1 3M NU

Stranding 7 X 32 [7 X 0.203]

Temperature Rating: Canada -20 Degree C to +80 Degree C
Temperature Rating: USA 20 Degree C to +105 Degree C

UL File Number E42769
UL Listed -- USA None

UL Recognized -- USA AWM Style 20462

UL Recognized-- Canada IA

Unbalanced Capacitance 9.6 pF/ft. [31.5 pF/m]

Unbalanced Inductance .15 microHenry/ft [0.49 microHenry/m]

Unbalanced Propagation Delay 1.30 ns/ft [4.27 ns/m]
Upper Temperature Rating -- Canada 80 Degree Celsius
Upper Temperature Rating -- USA 105 Degree Celsius

Velocity of Propagation--Unbalanced 78%

Voltage Rating -- Canada 150 Volt

Voltage Rating -- EU >0 to <50 Volt

Voltage Rating:-USA 300V
Voltage Rating: Canada 150V
Voltage Rating: EU <50V

Wire Gauge

24 American Wire Gauge (AWG)

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