



2010 Series Halogen Free Round Conductor Flat Cable

Halogen Free, Reduced Secondary Damage from Fires

In applications where sensitive electronic equipment is located in enclosed spaces, smoke from an electrical fire can cause problems if the cable insulation is made with compounds that contain halogen. The insulation in 3M™ 2010 Series Round Conductor Polyolefin Flat Ribbon Cable is halogen free (no more than that which would be found as an acknowledged trace contaminate or background level). In the event of a fire, the halogen free insulation helps to prevent the spread of fire thereby helping to protect people and equipment.

Low Smoke, Enhanced Visibility and Safety

Low visibility from smoke can make escape from a burning space more difficult. The low-smoke characteristic of 3M halogen free insulation means better visibility in the event of a fire, aiding escape and making the firefighter's job easier. It's also flame retardant, reducing the spread of fire along the cable and preventing the drip of burning material.

Low Toxicity

Combustion gases of the 3M halogen free insulation rated below .9 on the British Naval Engineering Standard 713, Issue 3, well under the generally accepted benchmark of 5.0 for low toxicity. In comparison, PVC rated 16.8, TPE rated 3.5 and FEP rated 8.7.

Low Corrosivity and Conductivity

The pH of the combustion gases of the cable is a non-corrosive 6-7, reducing secondary damage to surrounding equipment. The combustion gases are also non-conductive, preventing shorts that can destroy sensitive circuits.

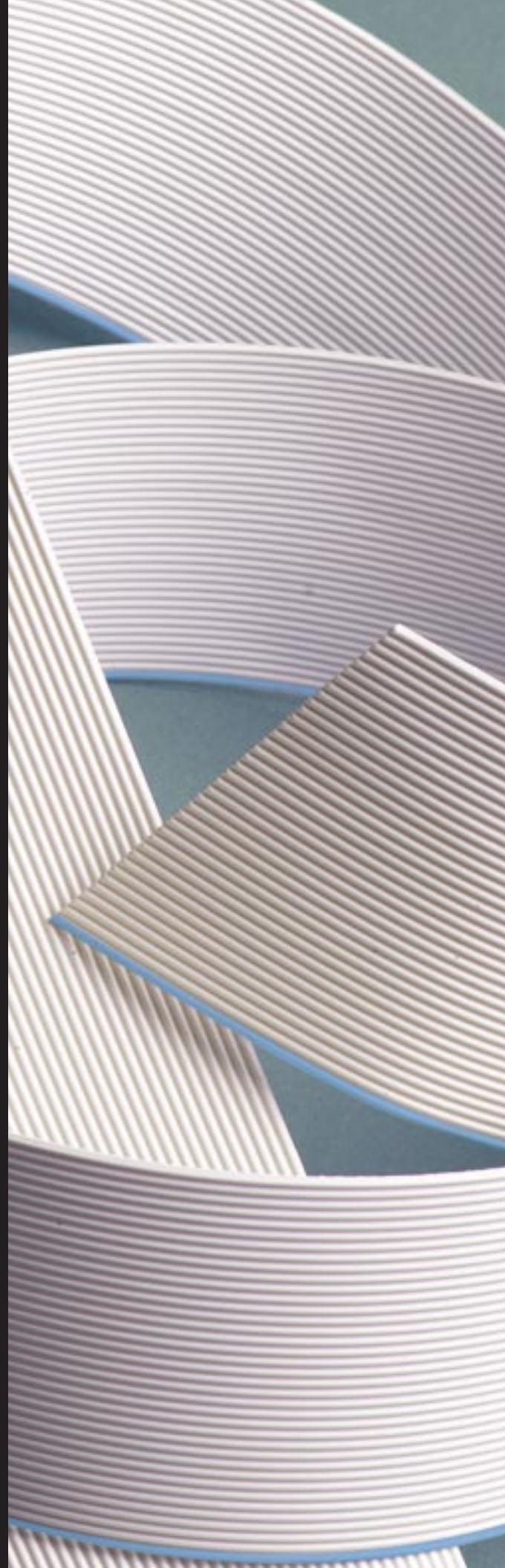
Wide Range of Applications

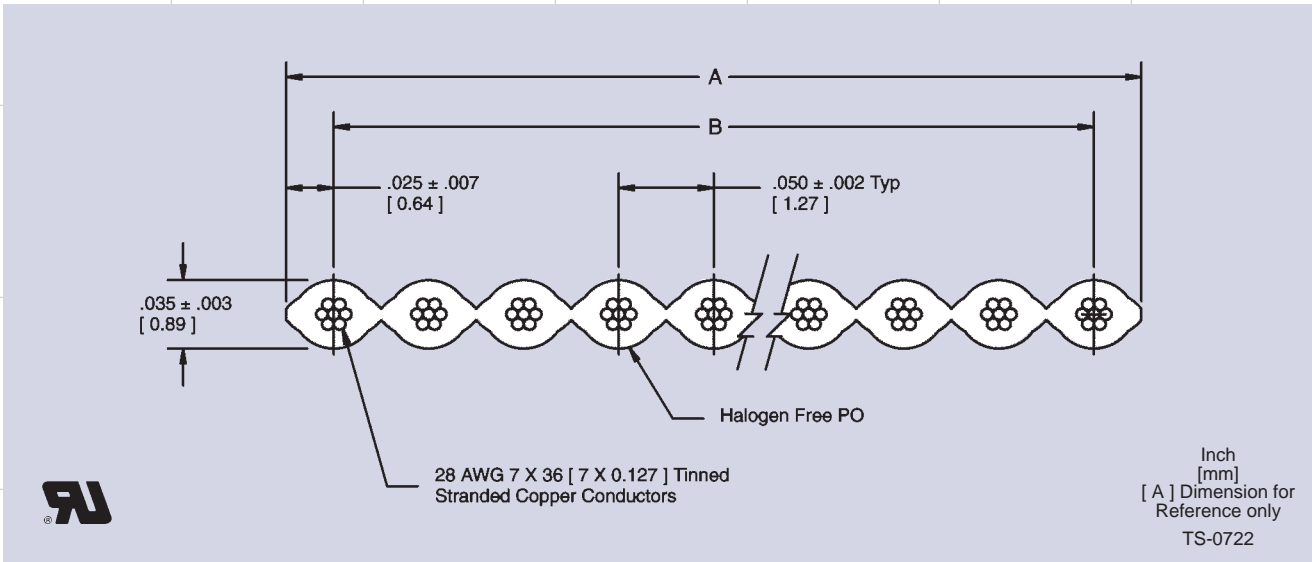
The 3M 2010 Series Round Conductor Flat Ribbon Cable has good flexibility, making it the choice to use where ever fire, safety and toxicity issues are important. With a temperature range of -40°C to +105°C, it can be used in a wide range of applications including:

- Control Systems Equipment
- Aerospace Applications
- Telecommunications
- Data Processing
- Intra Cabinet Applications
- Confined spaces where secondary fire damage is a concern

Features

- 28 AWG wire on .050" centers permits mass termination to a broad line of IDC connectors
- UL Recognized Appliance Wiring Material
- Use with industry standard tooling





Note:

1. Blue marking on one edge of cable designates wire #1.

Number of Conductors	3M Part Number	Dimension A	Dimension B
09	2010/09	.450 ± .010 [11.43]	.400 ± .007 [10.16]
10	2010/10	.500 ± .010 [12.70]	.450 ± .007 [11.43]
14	2010/14	.700 ± .010 [17.78]	.650 ± .007 [16.51]
15	2010/15	.750 ± .010 [19.05]	.700 ± .007 [17.78]
16	2010/16	.800 ± .015 [20.32]	.750 ± .011 [19.05]
18	2010/18	.900 ± .015 [22.88]	.850 ± .011 [21.59]
20	2010/20	1.000 ± .015 [25.40]	0.950 ± .011 [24.13]
24	2010/24	1.200 ± .015 [30.48]	1.150 ± .011 [29.21]
25	2010/25	1.250 ± .015 [31.75]	1.200 ± .011 [30.48]
26	2010/26	1.300 ± .015 [33.02]	1.250 ± .011 [31.75]
30	2010/30	1.500 ± .020 [38.10]	1.450 ± .015 [36.83]
34	2010/34	1.700 ± .020 [43.18]	1.650 ± .015 [41.91]
36	2010/36	1.800 ± .020 [45.72]	1.750 ± .015 [44.45]
37	2010/37	1.850 ± .020 [46.99]	1.800 ± .015 [45.72]
40	2010/40	2.000 ± .020 [50.80]	1.950 ± .015 [49.53]
50	2010/50	2.500 ± .020 [63.50]	2.450 ± .015 [62.23]
60	2010/60	3.000 ± .020 [76.20]	2.950 ± .015 [74.93]
64	2010/64	3.200 ± .020 [81.28]	3.150 ± .015 [80.01]

For ordering information, technical information, and product information, you can reach us at:

Phone: 1-800-225-5373
Fax: 1-800-325-5329

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**Electronic Product Division
 Cable and Assemblies Solutions**

6801 River Place Blvd.
 Austin, TX 78726-9000
<http://www.3M.com/interconnects>



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 10% Post-consumer waste paper

Litho in USA.

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