

# 3M™ Connector Covers

See page 2 for sizes

## Circular and "D" Type Conductive Covers

3M Connector Covers are made of an intrinsically conductive composite material with uniformly distributed fibers. This makes the covers free of carbon black particulate and better suited to clean situations. The covers do not leave black marks and are permanently conductive.

### 3M™ Circular Connector Covers 4270 Series

4270 Series were designed to meet the requirements and intentions of MS90376, and MIL PRF 5501/31A or 2A. Military contractors have qualified these materials to their own specifications and are encouraging their use.



### 3M "D" Type Connector Covers 4272 Series

4272 Series were designed to meet the requirements and intentions of MIL-PRF-5501. Military contractors have qualified these materials to their own specifications and are encouraging their use.



## Specifications

### Typical Properties:

Resistivity	ASTM D991	<105 ohm-cm
Contact Corrosivity (Kovar plate)	FTMS 101C Method 3005	Pass
Crayoning	3M	Not visible
Elongation	ASTM D638	25%
Tensile	ASTM D638	1500 PSI (1.0 x 10 <sup>7</sup> N/m <sup>2</sup> )
Vicat Softening	ASTM MD	1525 205°F (96OC)
Outgassing ASTM	E595	Pass

### Chemical Reactions

Dilute Acids	Slight Attack
Dilute Alkalines	Slight Attack
Concentrated Acids	Severe Attack
Concentrated Alkalines	Severe Attack
Methanol, Ethanol, and Isopropanol	Resistant
Hydrocarbons	Slight Attack
Ketones	Dissolves
Oil and Gasoline	Severe Attack

P R O D U C T   D A T A   S H E E T

## 4270 and 4272 Series Connector Covers

**PRODUCT**  
CONDUCTIVE CONNECTOR COVERS

**ITEM NUMBER**  
SEE TABLE

**DATASHEET**  
4270

3M Electronics Solutions Division  
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Intl: 919-718-0000; Fax: 919-774-8174  
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of their respective owners.



## 3M™ Circular Connector Covers 4270 Series

Packaged 100/bag: 10 bags/box

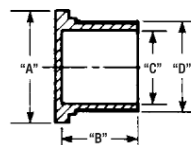
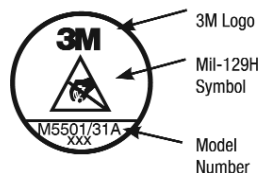
Product	A	B	C	D
<b>Description</b>				
4270-4R	.670	.500	.250	.336
4270-5R	.670	.500	.313	.399
4270-6R	.670	.500	.375	.461
4270-8Y	.670	.625	.413	.483
4270-8R	.740	.500	.480	.540
4270-9R	.750	.500	.500	.586
4270-10Y	.750	.625	.530	.595
4270-10R	.840	.500	.605	.665
4270-12Y	.860	.625	.655	.715
4270-12R	.970	.500	.720	.775
4270-14Y	1.031	.625	.785	.845
4270-14R	1.125	.500	.850	.905
4270-16Y	1.125	.625	.893	.963
4270-16R	1.220	.500	.973	1.035
4270-18Y	1.250	.625	1.028	1.088
4270-18R	1.330	.562	1.093	1.155
4270-19R	1.400	.562	1.125	1.213

Packaged 50/bag: 10 bags/box

Product	A	B	C	D
<b>Description</b>				
4270-20Y	1.406	.625	1.150	1.215
4270-20R	1.465	.562	1.231	1.301
4270-22Y	1.500	.625	1.270	1.340
4270-22R	1.590	.562	1.340	1.410
4270-24Y	1.640	.625	1.390	1.460
4270-24R	1.700	.562	1.463	1.533
4270-25Y	1.810	.625	1.540	1.580
4270-28Y	1.875	.625	1.645	1.718
4270-28R	1.950	.562	1.715	1.790

Packaged 25/bag: 10 bags/box

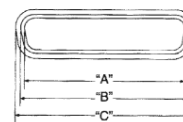
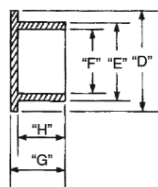
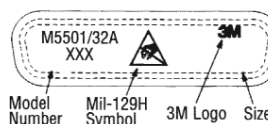
Product	A	B	C	D
<b>Description</b>				
4270-32Y	2.125	.625	1.890	1.970
4270-32R	2.220	.562	1.965	2.040
4270-36Y	2.340	.625	2.140	2.210
4270-36R	2.435	.600	2.215	2.290
4270-40Y	2.600	.625	2.380	2.450
4270-40R	2.660	.600	2.440	2.530
4270-44Y	2.875	.625	2.630	2.700
4270-44R	2.960	.600	2.720	2.812
4270-48Y	3.125	.625	2.880	2.950
4270-48R	3.225	.600	2.960	3.050



## 3M "D" Type Connector Covers 4272 Series

Packaged 100/bag: 10 bags/box

Product	A	B	C	D	E	F	G	H
<b>Description</b>								
4272-50P	2.112	2.179	2.279	.636	.536	.469	.280	.240
4272-50S	2.049	2.116	2.216	.574	.474	.407	.280	.240
4272-37P	2.216	2.283	2.383	.530	.430	.363	.280	.240
4272-37S	2.143	2.210	2.310	.462	.362	.295	.280	.240
4272-25P	1.586	1.635	1.735	.530	.430	.363	.280	.240
4272-25S	1.495	1.562	1.662	.462	.362	.295	.280	.240
4272-15P	1.040	1.107	1.177	.512	.436	.369	.280	.240
4272-15S	.955	1.022	1.122	.462	.362	.295	.280	.240
4272-9P	.708	.775	.849	.512	.434	.367	.280	.240
4272-9S	.627	.694	.794	.462	.362	.295	.280	.240



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