

CONDUCTORS: 24 AWG 19/36 Silver Plated Copper

INSULATION: Extruded PTFE
.015" Nom Wall
.055" Nom OD

JACKET: N/A

PERFORMANCE CHARACTERISTICS:

Voltage: 300 VAC
Temperature: -60°C to 200°C
UL1180 File Number E 67145
CSA: Class 1 Group A/B, 200°C AWM, FT1 Certificate Number LL 46216
VW-1
Reels Will be UL and CSA Tagged
UL and CSA Printed
RU AWM 200°C Style UL1180 WIRECRAFT Products CSA AWM I A/B 200°C 300V FT1
Inductance per Foot: 615nH
DCR per 1000 Feet: 23.64

INDUSTRY STANDARD REQUIREMENTS:

RoHS Compliant Per European
Union Directive 2011/65/EU
REACH Compliant

| Part Number | Color |
|---------------|--------|
| 2419XUC1180B0 | Black |
| 2419XUC1180B1 | Brown |
| 2419XUC1180B2 | Red |
| 2419XUC1180B3 | Orange |
| 2419XUC1180B4 | Yellow |
| 2419XUC1180B5 | Green |
| 2419XUC1180B6 | Blue |
| 2419XUC1180B7 | Violet |
| 2419XUC1180B8 | Gray |
| 2419XUC1180B9 | White |



An Employee Owned Company

Drawn By:
Bill Cacciapouti

Date:
3/3/2017

Revision:
C

Description: 24 19/36 SPC PTFE 200°C 300V

QWC P/N: 2419XUC1180B*



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Certificate Record

Quick Links

| Customer | Class | File Number |
|---|--------------------------------|--------------|
| Quirk Wire Company, Inc. Wirecraft Products Division 146 East Main St, West Brookfield MA USA 01585 | 5851-01 WIRES- Appliance | 046216_0_000 |

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TO THE REQUIREMENTS OF CSA STANDARD C22.2 NO 210.2-M90:

| AWM Class | AWM Group | Temp Deg C | Max Volt | Jacket Type Min Avg Thick (mm) | Cover-ings Type Min Avg Thick (mm) | Insul. Type Min Avg Thick (mm) | Size Range AWG | Notes |
|---------------------|-----------|-----------------|----------|--------------------------------|------------------------------------|--------------------------------|---|------------|
| • SINGLE CONDUCTOR: | | | | | | | | |
| I | A/B | 150/200/30, 150 | 250 | - | - | 32-10 | PTFE/.25 | 1, 2, 3, 7 |
| | | | 300 | - | - | 32-10 | PTFE/.25 | |
| | | | 600 | - | - | 32-10 | PTFE/.30 | |
| | | | | | | 9-4 | PTFE/0.72 | |
| I | A/B | 150/180/30, 150 | 200 | - | - | 32-10 | FEP/.25 | 1, 2, 3, 7 |
| | | | 300 | - | - | 32-10 | FEP/.25 | |
| | | | 600 | - | - | 32-10 | FEP/.30 | |
| | | | | | | 9-4 | FEP/0.72/ | |
| I | A | 450 | 300 | - | - | 22-12 | mica.38/1, 2, 3 fibre-glass braid .18 | |
| | | | 600 | - | - | 22-12 | mica.63/1, 2, 3 fibre-glass braid 18 | |

| | | | | | | | | |
|-------------------------------|-----|---------------------|----------|---------------|-------|---------------|---------------|-----|
| I | A/B | 200/250 1KV | - | PTFE/ 0.25 | 28-10 | PTFE/ 0.58 | 1, 2, 3, 4 | |
| I | A/B | 150 | 150/300 | - | - | 32-10 | ETFE/ 0.25 | 1,3 |
| | | 600 | - | - | - | 32-10 | 0.30 | |
| | | | | | | 9-2 | 0.72 | |
| | | | | | | 1-4/0 | 1.01 | |
| I | A/B | 200/250 30/150/300- | - | - | 32-10 | PFA/ 0.25 | 1,3, 7 | |
| | | 600 | - | - | 32-10 | 0.30 | | |
| | | | | | | 9-2 | 0.72 | |
| | | | | | | 1-4/0 | 1.01 | |
| • MULTICONDUCTOR/ROUND CABLE: | | | | | | | | |
| I | A/B | 50/150/200/150 | PTFE/ | - | 32-10 | PTFE/ | 1, 2, 3, | |
| | | 250 | .25 | - | | .25 | 7 | |
| | | 300 | PTFE/ | - | 32-10 | PTFE/ | | |
| | | | .25 | - | | .25 | | |
| | | 600 | PTFE/ | - | 32-10 | PTFE/ | | |
| | | | .30 | - | | .30 | | |
| | | | | | 9-4 | PTFE/ | | |
| | | | | | | .72 | | |
| I | A/B | 30/150/180/150 | FEP/.25- | - | 32-10 | FEP/ | 1, 2, 3, | |
| | | 200 | | - | | PTFE | 7 | |
| | | | | | | .25 | | |
| | | 300 | FEP/ | - | 32-10 | FEP/ | | |
| | | | .25 | - | | PTFE | | |
| | | | | | | .25 | | |
| | | 600 | FEP/ | - | 32.10 | FEP/ | | |
| | | | .30 | - | | PTFE | | |
| | | | | | | .25 | | |
| | | | | | 9-4 | FEP | | |
| | | | | | | PTFE/ | | |
| | | | | | | /0.72 | | |
| I/II | A/B | 200/250 30/150/300 | PFA/ | - | 32-10 | PFA/ | 1,2,3,5,6,7 | |
| | | | 0.25 | - | | 0.25 | | |
| | | 600 | | - | | 0.30 | | |

Notes:

1. In all colours including clear and transparent.
2. Optional shielding.
3. Flame rating: FT1.
4. Optional covering.
5. May use PTFE 200C/250C singles with PFA 200C/250C jacket.
6. May use FEP 200C singles with PFA 200C jacket.
7. Alternate conductor materials; alloys of nickel, chrome, aluminum, iron and copper.

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products around the world.



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Appliance Wiring Material - Component

See General Information for Appliance Wiring Material - Component

QUIRK WIRE CO INC, DBA WIRECRAFT PRODUCTS

E67145

146 E. Main Street

WEST BROOKFIELD, MA 01585 USA

| Table of Recognized Styles | | | | | | | |
|---|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Single-conductor, thermoplastic insulation. | | | | | | | |
| <u>1164</u> | <u>1333</u> | <u>1644</u> | <u>1815</u> | <u>1887</u> | <u>10115</u> | <u>10181</u> | <u>11576</u> |
| <u>1180</u> | <u>1371</u> | <u>1659</u> | <u>1847</u> | <u>1900</u> | <u>10125</u> | <u>10182</u> | <u>11577</u> |
| <u>1198</u> | <u>1450</u> | <u>1684</u> | <u>1857</u> | <u>1901</u> | <u>10126</u> | <u>10192</u> | <u>11578</u> |
| <u>1199</u> | <u>1512</u> | <u>1709</u> | <u>1858</u> | <u>1929</u> | <u>10173</u> | <u>10362</u> | <u>11579</u> |
| <u>1212</u> | <u>1524</u> | <u>1710</u> | <u>1859</u> | <u>1930</u> | <u>10174</u> | <u>10580</u> | <u>11580</u> |
| <u>1213</u> | <u>1530</u> | <u>1716</u> | <u>1860</u> | <u>1969</u> | <u>10175</u> | <u>10581</u> | <u>11581</u> |
| <u>1226</u> | <u>1538</u> | <u>1723</u> | <u>1882</u> | <u>10030</u> | <u>10176</u> | <u>10582</u> | <u>11606</u> |
| <u>1227</u> | <u>1577</u> | <u>1726</u> | <u>1883</u> | <u>10086</u> | <u>10177</u> | <u>10583</u> | |
| <u>1330</u> | <u>1584</u> | <u>1727</u> | <u>1884</u> | <u>10094</u> | <u>10178</u> | <u>10590</u> | |
| <u>1331</u> | <u>1591</u> | <u>1744</u> | <u>1885</u> | <u>10109</u> | <u>10179</u> | <u>10591</u> | |
| <u>1332</u> | <u>1636</u> | <u>1746</u> | <u>1886</u> | <u>10114</u> | <u>10180</u> | <u>11251</u> | |
| Multiple-conductor, thermoplastic insulation. | | | | | | | |
| <u>20223</u> | <u>20225</u> | <u>20711</u> | <u>20713</u> | <u>20715</u> | <u>20717</u> | <u>20719</u> | <u>21174</u> |
| <u>20224</u> | <u>20710</u> | <u>20712</u> | <u>20714</u> | <u>20716</u> | <u>20718</u> | <u>20813</u> | <u>21175</u> |
| Single and multiple-conductor specialty items. | | | | | | | |
| <u>5096</u> | <u>5138</u> | <u>5181</u> | <u>5215</u> | <u>5227</u> | <u>5251</u> | <u>5281</u> | <u>5476</u> |
| <u>5107</u> | <u>5144</u> | <u>5191</u> | <u>5222</u> | <u>5228</u> | <u>5253</u> | <u>5293</u> | <u>5536</u> |
| <u>5108</u> | <u>5158</u> | <u>5192</u> | <u>5223</u> | <u>5229</u> | <u>5254</u> | <u>5350</u> | |

| | | | | | | | |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|--|
| 5127 | 5163 | 5196 | 5225 | 5230 | 5256 | 5359 | |
| 5128 | 5180 | 5214 | 5226 | 5231 | 5257 | 5360 | |

Marking: Company name, voltage rating, temperature rating, conductor size, conductor material if other than copper, and use.

Last Updated on 2016-01-09

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Appliance Wiring Material Certified for Canada - Component


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QUIRK WIRE CO INC, DBA WIRECRAFT PRODUCTS

E67145

146 E. Main Street
WEST BROOKFIELD, MA 01585 USA

Appliance wiring material, AWM AWM Class I, Group A, B or A/B.

Marking: Company name and the Recognized Component Mark for Canada,  on the attached tag, the reel or the smallest unit container in which the product is packaged.

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APPLIANCE WIRING MATERIAL

Subj.758 Section 1 Page 1180

Issued:1959-05-01

Revised:2013-11-20

Style 1180 Single conductor with extruded insulation

| | |
|-------------------|---|
| Rating | 200 deg C, 300 Vac, Horizontal flame. Optional - 80 deg C Oil, Gasoline Resistant. |
| Conductor | 32 AWG - 10 AWG, solid or stranded. |
| Insulation | Extruded PTFE, 13 mils minimum average thickness, 12 mils minimum thickness at any point. |
| Standard | Appliance Wiring Material UL 758. |
| Marking | General. The tag may indicate the following: 600 volts peak -- For Electronic Use Only. |
| Use | Internal Wiring. |

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