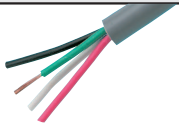
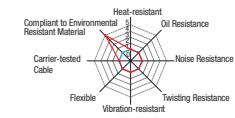

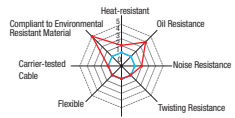

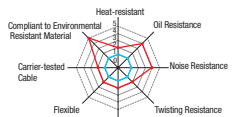


## Cable Specification

| Cable  |                           |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
|--|---------------------------|--------------|-------|-------------------|---------------------------|---------------|-----------|-----------------------------|-------------|------------------|-----------|------------------------------|--------|-------------------------------|---------|
| <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p><b>A Cable</b></p>  <p><b>OP.1171</b></p> </div> <div style="width: 40%;"> <p><b>Properties Radar Chart</b></p>  <p>Compliant to Environmental Resistant Material<br/>Carrier-tested Cable<br/>Flexible<br/>Vibration-resistant<br/>Heat-resistant<br/>Oil Resistance<br/>Noise Resistance<br/>Twisting Resistance</p> <p>- General Instrumentation Cable<br/>- VCTF<br/>* Use as a guideline for properties.</p> </div> <div style="width: 35%;"> <p><b>Main Specifications</b></p> <table border="1"> <tr><td>Sheath Color</td><td>Gray</td></tr> <tr><td>Standard Acquired</td><td>PSE Law (With Exceptions)</td></tr> <tr><td>Rated Voltage</td><td>300 V</td></tr> <tr><td>Operating Temperature Range</td><td>-10 ~ 60 °C</td></tr> <tr><td>Flame Retardance</td><td>--</td></tr> <tr><td>Bending Radius (Fixed Parts)</td><td>6 (mm)</td></tr> <tr><td>Bending Radius (Moving Parts)</td><td>-- (mm)</td></tr> </table> <p>* This is a recommended value, not a guaranteed value<br/>[* Please note]<br/>Rated voltage when using with 0.3 or 0.5 mm<sup>2</sup> will be less than 100 V.</p> </div> </div> |                           | Sheath Color | Gray  | Standard Acquired | PSE Law (With Exceptions) | Rated Voltage | 300 V     | Operating Temperature Range | -10 ~ 60 °C | Flame Retardance | --        | Bending Radius (Fixed Parts) | 6 (mm) | Bending Radius (Moving Parts) | -- (mm) |
| Sheath Color   | Gray                      |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Standard Acquired  | PSE Law (With Exceptions) |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Rated Voltage  | 300 V                     |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Operating Temperature Range  | -10 ~ 60 °C               |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Flame Retardance   | --                        |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Bending Radius (Fixed Parts)   | 6 (mm)                    |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Bending Radius (Moving Parts)  | -- (mm)                   |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Section Area   | Number of Cores           |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| 0.3 mm <sup>2</sup> (AWG22)  | 4                         |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p><b>B Cable</b></p>  <p><b>OP.1329</b></p> </div> <div style="width: 40%;"> <p><b>Properties Radar Chart</b></p>  <p>Compliant to Environmental Resistant Material<br/>Carrier-tested Cable<br/>Flexible<br/>Vibration-resistant<br/>Heat-resistant<br/>Oil Resistance<br/>Noise Resistance<br/>Twisting Resistance</p> <p>- General Instrumentation Cable<br/>- UL20276H<br/>* Use as a guideline for properties.</p> </div> <div style="width: 35%;"> <p><b>Main Specifications</b></p> <table border="1"> <tr><td>Sheath Color</td><td>Black</td></tr> <tr><td>Standard Acquired</td><td>ULAWM20276 / c-UL</td></tr> <tr><td>Rated Voltage</td><td>30 V</td></tr> <tr><td>Operating Temperature Range</td><td>0 ~ 80 °C</td></tr> <tr><td>Flame Retardance</td><td>VW-1/FT-1</td></tr> <tr><td>Bending Radius (Fixed Parts)</td><td>6 (mm)</td></tr> <tr><td>Bending Radius (Moving Parts)</td><td>-- (mm)</td></tr> </table> <p>* This is a recommended value, not a guaranteed value</p> </div> </div>   |                           | Sheath Color | Black | Standard Acquired | ULAWM20276 / c-UL         | Rated Voltage | 30 V      | Operating Temperature Range | 0 ~ 80 °C   | Flame Retardance | VW-1/FT-1 | Bending Radius (Fixed Parts) | 6 (mm) | Bending Radius (Moving Parts) | -- (mm) |
| Sheath Color   | Black                     |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Standard Acquired  | ULAWM20276 / c-UL         |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Rated Voltage  | 30 V                      |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Operating Temperature Range  | 0 ~ 80 °C                 |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Flame Retardance   | VW-1/FT-1                 |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Bending Radius (Fixed Parts)   | 6 (mm)                    |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Bending Radius (Moving Parts)  | -- (mm)                   |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Section Area   | Number of Cores           |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| AWG24 (0.2 mm <sup>2</sup> )   | 4                         |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;"> <p><b>C Cable</b></p>  <p><b>OP.1313</b></p> </div> <div style="width: 40%;"> <p><b>Properties Radar Chart</b></p>  <p>Compliant to Environmental Resistant Material<br/>Carrier-tested Cable<br/>Flexible<br/>Vibration-resistant<br/>Heat-resistant<br/>Oil Resistance<br/>Noise Resistance<br/>Twisting Resistance</p> <p>- General Instrumentation Cable<br/>- NAVCSB<br/>* Use as a guideline for properties.</p> </div> <div style="width: 35%;"> <p><b>Main Specifications</b></p> <table border="1"> <tr><td>Sheath Color</td><td>Navy</td></tr> <tr><td>Standard Acquired</td><td>ULAWM2576/ULAWM2095</td></tr> <tr><td>Rated Voltage</td><td>150/300 V</td></tr> <tr><td>Operating Temperature Range</td><td>-20 ~ 80 °C</td></tr> <tr><td>Flame Retardance</td><td>VW-1</td></tr> <tr><td>Bending Radius (Fixed Parts)</td><td>6 (mm)</td></tr> <tr><td>Bending Radius (Moving Parts)</td><td>-- (mm)</td></tr> </table> <p>* This is a recommended value, not a guaranteed value<br/>[Features]<br/>ULAWM2095 (300 V 80°C)<br/>ULAWM2576 (150 V 80°C)</p> </div> </div>                                   |                           | Sheath Color | Navy  | Standard Acquired | ULAWM2576/ULAWM2095       | Rated Voltage | 150/300 V | Operating Temperature Range | -20 ~ 80 °C | Flame Retardance | VW-1      | Bending Radius (Fixed Parts) | 6 (mm) | Bending Radius (Moving Parts) | -- (mm) |
| Sheath Color   | Navy                      |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Standard Acquired  | ULAWM2576/ULAWM2095       |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Rated Voltage  | 150/300 V                 |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Operating Temperature Range  | -20 ~ 80 °C               |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Flame Retardance   | VW-1                      |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Bending Radius (Fixed Parts)   | 6 (mm)                    |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Bending Radius (Moving Parts)  | -- (mm)                   |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| Section Area   | Number of Cores           |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |
| AWG25 (0.2 mm <sup>2</sup> )   | 4                         |              |       |                   |                           |               |           |                             |             |                  |           |                              |        |                               |         |

- MS Connector Included Cable
- MS Connector Included Cable (Drip-proof)
- JL04 Connector Included Cable
- JL05 Connector Included Cable
- NGS Connector Included Cable
- NJC Connector Included Cable
- NJW Connector Included Cable
- NR Connector Included Cable
- NRW Connector Included Cable
- NET Connector Included Cable
- PRC04 Connector Included Cable
- PRC03 Connector Included Cable
- PRC05 Connector Included Cable
- R03 Connector Included Cable
- R04 Connector Included Cable
- PLT Connector Included Cable
- HR10A Connector Included Cable
- XS2 Connector Included Cable
- DIN / Mini-DIN Connector Included Cable

## Electrical Properties

| Number of Cores | Connector                 |                           | A Cable                    |               |                            | B Cable                      |               | C Cable                    |                              |               |                            |
|-----------------|---------------------------|---------------------------|----------------------------|---------------|----------------------------|------------------------------|---------------|----------------------------|------------------------------|---------------|----------------------------|
|                 | Rated Current (A or less) | Rated Voltage (V or less) | Section Area               | Rated Voltage | Allowable Current A (30°C) | Section Area                 | Rated Voltage | Allowable Current A (30°C) | Section Area                 | Rated Voltage | Allowable Current A (30°C) |
| 4               | 3                         | AC: 250, DC: 125          | 0.3mm <sup>2</sup> (AWG22) | 300V          | 3.0                        | AWG24 (0.2 mm <sup>2</sup> ) | 30V           | 2.9                        | AWG25 (0.2 mm <sup>2</sup> ) | 150V          | 3.3                        |

\* The values are reference values, not guaranteed values.

## OSC Connector Support Model Number Table

| Shape Specification | Cable Type | CN1       | Component Page | CN2        | Component Page |
|---------------------|------------|-----------|----------------|------------|----------------|
| P                   | AC         | XS2G-A421 | 0262           |            |                |
|                     | DC         | XS2G-D421 | 0262           |            |                |
| PY                  | AC         | XS2G-A421 | 0262           | F1.25-V3.5 | 0468           |
|                     | DC         | XS2G-D421 | 0262           | F1.25-V3.5 | 0468           |
| PT                  | AC         | XS2G-A421 | 0262           |            |                |
|                     | DC         | XS2G-D421 | 0262           |            |                |
| S                   | AC         | XS2C-A421 | 0262           |            |                |
|                     | DC         | XS2C-D421 | 0262           |            |                |
| SY                  | AC         | XS2C-A421 | 0262           | F1.25-V3.5 | 0468           |
|                     | DC         | XS2C-D421 | 0262           | F1.25-V3.5 | 0468           |
| ST                  | AC         | XS2C-A421 | 0262           |            |                |
|                     | DC         | XS2C-D421 | 0262           |            |                |