


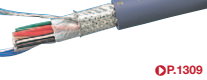




## Cable Specification

Cable																									
<b>A Cable</b>  <p>OP.1449</p>		<b>Properties Radar Chart</b> Compliant to Environmental Resistant Material Carrier-tested Cable Flexible Heat-resistant Oil Resistance Noise Resistance Twisting Resistance Vibration-resistant 25 times more durable against bending than general-purpose cable cables * Use as a guideline for properties. The bending durability is our test ratio, not the actual performance value.				<b>Main Specifications</b> Sheath Color: Navy Standard Acquired: PSE Law Rated Voltage: 300 V Operating Temperature Range: 0 ~ 75 °C Flame Retardance: -- Bending Radius Finished Outer Diameter x (mm): 6 (Fixed Parts), 6 (Movable Parts) * This is a recommended value, not a guaranteed value				<table border="1"> <tr> <th>Section Area</th> <th>Connector Type</th> </tr> <tr> <td>0.5 mm<sup>2</sup> (AWG20)</td> <td>A2,A3,A4</td> </tr> </table>		Section Area	Connector Type	0.5 mm <sup>2</sup> (AWG20)	A2,A3,A4										
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<b>B Cable</b>  <p>OP.1179</p>		<b>Properties Radar Chart</b> Compliant to Environmental Resistant Material Carrier-tested Cable Flexible Heat-resistant Oil Resistance Noise Resistance Twisting Resistance Vibration-resistant - General VCTF Cable - NASVCTFSB * Use as a guideline for properties.				<b>Main Specifications</b> Sheath Color: Navy Standard Acquired: PSE Law Rated Voltage: 300 V Operating Temperature Range: 0 ~ 75 °C Flame Retardance: -- Bending Radius Finished Outer Diameter x (mm): 6 (Fixed Parts), 6 (Movable Parts) * This is a recommended value, not a guaranteed value				<table border="1"> <tr> <th>Section Area</th> <th>Connector Type</th> </tr> <tr> <td>0.5 mm<sup>2</sup> (AWG20)</td> <td>A1,A2,A3,A4</td> </tr> </table>		Section Area	Connector Type	0.5 mm <sup>2</sup> (AWG20)	A1,A2,A3,A4										
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<b>C Cable</b>  <p>OP.1527</p>		<b>Properties Radar Chart</b> Compliant to Environmental Resistant Material Carrier-tested Cable Flexible Heat-resistant Oil Resistance Noise Resistance Twisting Resistance Vibration-resistant - General Signal Cable - NA3VR * Use as a guideline for properties. The bending durability is our test ratio, not the actual performance value.				<b>Main Specifications</b> Sheath Color: Black Standard Acquired: ULAWM2517/ULAWM2103 Rated Voltage: 300 V Operating Temperature Range: 0 ~ 105 °C Flame Retardance: VW-1 Bending Radius Finished Outer Diameter x (mm): 4 (Fixed Parts), 7.5 (Movable Parts) * This is a recommended value, not a guaranteed value				<table border="1"> <tr> <th>Section Area</th> <th>Connector Type</th> </tr> <tr> <td>0.5 mm<sup>2</sup> (AWG20)</td> <td>All</td> </tr> </table>		Section Area	Connector Type	0.5 mm <sup>2</sup> (AWG20)	All										
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<b>D Cable</b>  <p>OP.1309</p>		<b>Properties Radar Chart</b> Compliant to Environmental Resistant Material Carrier-tested Cable Flexible Heat-resistant Oil Resistance Noise Resistance Twisting Resistance Vibration-resistant - General VCTF Cable - NA3VCSB * Use as a guideline for properties.				<b>Main Specifications</b> Sheath Color: Navy Standard Acquired: ULAWM2517 Rated Voltage: 300 V Operating Temperature Range: -20 ~ 105 °C Flame Retardance: VW-1 Bending Radius Finished Outer Diameter x (mm): 6 (Fixed Parts), -- (Movable Parts) * This is a recommended value, not a guaranteed value				<table border="1"> <tr> <th>Section Area</th> <th>Connector Type</th> </tr> <tr> <td>AWG21 (0.5 mm<sup>2</sup>)</td> <td>A1,A2,A3</td> </tr> <tr> <td>AWG23 (0.3mm<sup>2</sup>)</td> <td>A4,A5</td> </tr> </table>		Section Area	Connector Type	AWG21 (0.5 mm <sup>2</sup> )	A1,A2,A3	AWG23 (0.3mm <sup>2</sup> )	A4,A5								
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<b>E Cable</b>  <p>OP.1479</p>		<b>Properties Radar Chart</b> Compliant to Environmental Resistant Material Carrier-tested Cable Flexible Heat-resistant Oil Resistance Noise Resistance Twisting Resistance Vibration-resistant - General Cable - MWCSCB * Use as a guideline for properties.				<b>Main Specifications</b> Sheath Color: Black Standard Acquired: ULAWM2464/CSA Rated Voltage: 300 V Operating Temperature Range: -20 ~ 80 °C Flame Retardance: VW-1 Bending Radius Finished Outer Diameter x (mm): 6 (Fixed Parts), 6 (Movable Parts) * This is a recommended value, not a guaranteed value				<table border="1"> <tr> <th>Section Area</th> <th>Connector Type</th> </tr> <tr> <td>AWG20 (0.5mm<sup>2</sup>)</td> <td>A1</td> </tr> <tr> <td>AWG18 (0.75mm<sup>2</sup>)</td> <td>A5</td> </tr> </table>		Section Area	Connector Type	AWG20 (0.5mm <sup>2</sup> )	A1	AWG18 (0.75mm <sup>2</sup> )	A5								
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<b>J Cable</b>  <p>OP.1267</p>		<b>Properties Radar Chart</b> Compliant to Environmental Resistant Material Carrier-tested Cable Flexible Heat-resistant Oil Resistance Noise Resistance Twisting Resistance Vibration-resistant - General VCTF Cable - SSCS.3 * Use as a guideline for properties.				<b>Main Specifications</b> Sheath Color: Black Standard Acquired: CL3, AWM2464 Rated Voltage: 300 V Operating Temperature Range: -15 ~ CL3; 90 (AWM: 80) °C Flame Retardance: VW-1 Bending Radius Finished Outer Diameter x (mm): 6 (Fixed Parts), -- (Movable Parts) * This is a recommended value, not a guaranteed value				<table border="1"> <tr> <th>Section Area</th> <th>Connector Type</th> </tr> <tr> <td>AWG20 (0.5mm<sup>2</sup>)</td> <td>A8,A9</td> </tr> <tr> <td>AWG22 (0.3 mm<sup>2</sup>)</td> <td>A10 ~ 13</td> </tr> <tr> <td>AWG24 (0.2 mm<sup>2</sup>)</td> <td>A14,A15</td> </tr> </table>		Section Area	Connector Type	AWG20 (0.5mm <sup>2</sup> )	A8,A9	AWG22 (0.3 mm <sup>2</sup> )	A10 ~ 13	AWG24 (0.2 mm <sup>2</sup> )	A14,A15						
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## Electrical Properties

Shell Type (Arrangement No. / Core No.) Contact Size	Connector		A Cable			B Cable			C Cable			D Cable			E Cable			J Cable						
	Rated Current (A or less)	Rated Voltage (V or less) DC	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)	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)				
A1 (18-1 / 9-core + Ground) Contact: #16	23	700	—	—	—	—	—	2	—	—	7	—	—	4.8	AWG20 (0.5mm <sup>2</sup> )	300V	4.1	—	—	—	4.2			
A2 (20-29 / 16-core + Ground) Contact: #16			—	—	—	—	—	—	—	—	—	6	—	3.6	—	—	—	—	—	—	—	3.1		
A3 (22-14 / 18-core + Ground) Contact: #16			13	250	0.5 mm <sup>2</sup> (AWG20)	300V	1	0.5 mm <sup>2</sup> (AWG20)	300V	1	0.5mm <sup>2</sup> (AWG21)	300V	—	—	3.6	—	—	—	—	—	—	300V	—	
A4 (24-28 / 23-core + Ground) Contact: #16					—	—	—	—	—	—	—	—	—	5	—	2.4	—	—	—	—	—	—	—	1.8
A5 (28-21 / 36-core + Ground) Contact: #16					—	—	—	—	—	—	—	—	—	—	—	1.7	AWG18 (0.75mm <sup>2</sup> )	300V	2.9	AWG24 (0.2mm <sup>2</sup> )	—	—	—	1.2

\* Shows the connector rated current values per connector. \* Please be aware that all of our earth terminals are constructed to conduct after being connected within the unit shell, but arrangement No. \*24-10 (G) has a panel mount that is not designed to conduct. \* The values are reference values, not guaranteed values.

- MS Connector Included Cable
- MS Connector Included Cable (Drip-proof)
- JL04 Connector Included Cable
- JL05 Connector Included Cable
- NCS 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