

UL1015AWG18 Specifications comparison list

| Item 1                       | Item 2  | Unit    | Product made in Hanai Electric Wire  | Product made in Sumitomo Electric Industries Wire   |
|------------------------------|---|---------|--|---|
| Conductor                    | Materials                                       | —       | Tin plating mild steel Wire twist Wire   | Tin plating mild steel Wire   |
| Conductor                    | Size  | AWG     | 18   | 18  |
| Conductor                    | Constitution                                    | them/mm | 33/0.18  | 34/0.18   |
| Conductor                    | External form                                   | mm      | 1.18   | 1.22  |
| Insulator                    | Materials                                       | —       | Vinyl IHV9867N   | PB Free Heat-resistant polyvinyl chloride   |
| Insulator                    | Thickness (as standard equipment)               | mm      | 0.82   | 0.79  |
| Insulator                    | Thickness (average)                             | mm      | 0.77   | 非開示   |
| Insulator                    | Thickness (minimum)                             | mm      | 0.69   | 0.79  |
| Insulator                    | External form                                   | mm      | 2.82±0.10  | 2.8   |
| Insulator                    | Surface printing                                | —       | UL AWM 1015 E35816 VW-1 105°C -F- CUL<br>AWM I A 105°C 600V 18AWG HANAI FT1 -NL- | CSA TIPE TEW-15°C 600V FT1 SUMITOMO-Y<br>E41105-Y UL AWM 1015 105C VW-1 AWG No. -F-<br>LF                                   |
| Characteristic / reliability | Rating temperature °C (the maximum temperature) | UL      | 105  | 105   |
| Characteristic / reliability | Rating temperature °C (the maximum temperature) | CSA     | 105  | 105   |
| Characteristic / reliability | Rating voltage V (maximum temperature)          | —       | 600  | UL:AC600 DC750 CSA:AC600  |
| Characteristic / reliability | Heat-resistant frame test)                      | —       | It is less than 60 seconds at combustion time:<br>Flag combustion less than 25%  | UL,VW-A,CSA FT1 And I pass the perpendicular<br>combustion examination based on the electrical<br>equipment security method |
| Characteristic / reliability | Revised RoHSI order (RoHS2)                     | —       | Non-compliant  | Correspondence  |

UL1015AWG20 Specifications comparison list

| Item 1                       | Item 2  | Unit    | Product made in Hanai Electric Wire   | Product made in Sumitomo Electric Industries Wire  |
|------------------------------|---|---------|---|--|
| Conductor                    | Materials                                       | —       | Tin plating mild steel Wire twist Wire                                      | Tin plating mild steel Wire  |
| Conductor                    | Size  | AWG     | 20  | 20   |
| Conductor                    | Constitution                                    | them/mm | 21/0.18   | 27/0.16  |
| Conductor                    | External form                                   | mm      | 0.95  | 0.96   |
| Insulator                    | Materials                                       | —       | Vinyl IHV9867N  | PB Free Heat-resistant polyvinyl chloride  |
| Insulator                    | Thickness (as standard equipment)               | mm      | 0.5   | 0.485  |
| Insulator                    | Thickness (average)                             | mm      | 0.39  | 0.38   |
| Insulator                    | Thickness (minimum)                             | mm      | 0.34  | 0.33   |
| Insulator                    | External form                                   | mm      | 1.93±0.03   | 1.93±0.05  |
| Insulator                    | Surface printing                                | —       | UL AWM 1007 E35816 VW-1 20AWG HANAI - F-<br>CUL AWM I A 90°C 300V FT-1 -NL- | STYLE 1007 80C E42996-N UL AWM VW-1 20AWG LL64862 CSA TR-64 90C FT1 TOKYO DENKO-N-F-LF ■ ■ ■   |
| Characteristic / reliability | Rating temperature °C (the maximum temperature) | UL      | 80  | 80   |
| Characteristic / reliability | Rating temperature °C (the maximum temperature) | CSA     | 90  | 90   |
| Characteristic / reliability | Rating voltage V (maximum temperature)          | —       | 300   | 300  |
| Characteristic / reliability | Heat-resistant frame test)                      | —       | VW-1 Passing things   | ①UL758VW-1 Passing things<br>②CSA C 22.2 No.127 FT1 Passing things<br>③Technical Standards of the Electrical Safety Law Annex Table 81. Common Matters (10) Provisions of Tobel 4 (2) Passing things |
| Characteristic / reliability | Revised RoHSI order (RoHS2)                     | —       | Non-compliant   | Correspondence   |

|                | Current specification Wire   | Change specification Wire  |
|----------------|--|--|
| UL1007BIG Wire | Made in Hanayen Electric Wire Co., Ltd.                                      | Tokyo Electric Wire Industry Co., Ltd.   |
|                | UL AWM 1007 E35816 VW-1 20AWG HANAI F- CUL AWM 1 A 90°C 300V FT-1 -NL-       | STYLE 1007 80C E42996-N UL AWM VW-1 20AWG LL64862 CSA TR-64 90C FT1 TOKYO DENKO-N -F- LF ■ ■ ■ |
| UL1015 Wire    | Made in Hanayen Electric Wire Co., Ltd.                                      | Sumitomo Electric Industries, Ltd.   |
|                | UL AWM 1015 E35816 VW-1 105°C -F- CULAWM I A 105°C 600V 18AWG HANAI FT1 -NL- | CSA TYPE TEW-105°C 600V FT1 SUMITOMO-Y UL AWM 1015 105C VW-1 AWG No. -F- LF                    |