

**SERIES**  
**960**

## High flexible single core cables for dynamic applications



Dynamic application, unshielded



### Use

Unshielded single core cables suitable for mobile use in power chains or moving machine parts for travel distances up to 10 m and voltage up to 600V.

### Technical data

| Characteristics           | Value/property                                                                                                                                                                                                                  |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Conductor                 | Extra-flexible bare copper strand, class 6                                                                                                                                                                                      |
| Insulation                | PVC compound                                                                                                                                                                                                                    |
| Jacket                    | PUR compound. Metric. marking.                                                                                                                                                                                                  |
| Temperature range         | +90°C (IEC), +80°C (UL)<br>-40°C (fixed); -5°C (dynamic)                                                                                                                                                                        |
| Voltage rating            | 600/1000 V (IEC), 1000 V (UL)                                                                                                                                                                                                   |
| Spark test                | 10000 V                                                                                                                                                                                                                         |
| Speed                     | 300 m/min                                                                                                                                                                                                                       |
| Acceleration              | 30 m/s <sup>2</sup>                                                                                                                                                                                                             |
| Bending radius            | 5 x cable outer diameter for fixed applications, 8 x cable outer diameter for dynamic applications, 12 x cable outer diameter for drag chain applications                                                                       |
| Standards of construction | UL 758, CSA AWM II A/B, cURus AWM Style 11624<br>  Oil res.: EN 60811-1-2   Flame res.: IEC 60332-1-2, UL/CSA FT2   UV res.: UNI EN ISO 4892-3 (colored), UNI EN ISO 4892-2 (black)   Other: 2014/35/EU (Low Voltage Directive) |
| Standards of use          | ANSI/NFPA 79, UL 508A, CSA C22.1 (CE Code), CSA C22.2 No.286, Style 11624                                                                                                                                                       |

### Marking

TEKIMA 09600 - CE 1x6 mm<sup>2</sup> 90°C 600/1000V IEC 60332-1-2 RoHS c(UR)us  
 E314444 AWM Style 11624 1x10 AWG AWM II A/B 80°C 1000V FT2 - (prod. reference) = (metric) =

### Coding and dimensions

| Code            | Size<br>[AWG/kcmil] | Size<br>[mm <sup>2</sup> ] | Diameter<br>[mm (inch)] | Weight<br>[kg/km (lb/mft)] | Packaging<br>[m (ft)] |
|-----------------|---------------------|----------------------------|-------------------------|----------------------------|-----------------------|
| CVC150_09600_□□ | 16 AWG              | 1,5                        | 4,8 (0.189)             | 37 (25)                    | 500 (1640)            |
| CVC250_09600_□□ | 14                  | 2,5                        | 5,7 (0.224)             | 52 (35)                    | 500 (1640)            |
| CVC400_09600_□□ | 12                  | 4                          | 6,4 (0.252)             | 71 (48)                    | 500 (1640)            |
| CVC600_09600_□□ | 10                  | 6                          | 7,0 (0.276)             | 94 (63)                    | 500 (1640)*           |
| CVCB10_09600_□□ | 8                   | 10                         | 8,3 (0.327)             | 144 (97)                   | 500 (1640)*           |
| CVCB16_09600_□□ | 6                   | 16                         | 10,2 (0.402)            | 225 (151)                  | 500 (1640)*           |
| CVCB25_09600_□□ | 4                   | 25                         | 11,4 (0.449)            | 316 (212)                  | 500 (1640)*           |
| CVCB35_09600_□□ | 2                   | 35                         | 13,4 (0.528)            | 444 (298)                  | 500 (1640)*           |
| CVCB50_09600_□□ | 1                   | 50                         | 16,2 (0.638)            | 641 (431)                  | 500 (1640)*           |
| CVCB70_09600_□□ | 2/0                 | 70                         | 17,3 (0.681)            | 864 (581)                  | 500 (1640)*           |
| CVCB95_09600_□□ | 3/0                 | 95                         | 19,7 (0.776)            | 1092 (734)                 | 500 (1640)*           |
| CVCL12_09600_□□ | 4/0                 | 120                        | 21,0 (0.827)            | 1320 (887)                 | 500 (1640)*           |
| CVCL15_09600_□□ | 250 kcmil           | 150                        | 24,1 (0.949)            | 1688 (1134)                | 500 (1640)*           |
| CVCL18_09600_□□ | 350                 | 185                        | 26,1 (1.028)            | 2041 (1371)                | 500 (1640)*           |
| CVCL24_09600_□□ | 450                 | 240                        | 29,6 (1.165)            | 2784 (1871)                | 500 (1640)*           |

\* For this article, an additional UL certified cut-to-length service is carried out on request ("Processed Wire").

## Code composition

|     |     |         |    |
|-----|-----|---------|----|
| CVC | □□□ | _09600_ | □□ |
|-----|-----|---------|----|

| Size                               | To be inserted     |
|------------------------------------|--------------------|
| 1.5, 2.5, ..., 6 mm <sup>2</sup>   | 150, 250, ..., 600 |
| 10, 16, ..., 95 mm <sup>2</sup>    | B10, B16, ..., B95 |
| 120, 150, ..., 240 mm <sup>2</sup> | L12, L15, ..., L24 |

| Color        | To be inserted |
|--------------|----------------|
| Yellow/green | GV             |
| Black        | NE             |

Note. The double color is such that one of the colours covers at least 30% and not more than 70% of the surface, the other colour covering the remainder of that surface.