



Application

Uni-Cable's halogen free cables are used as drag chain cables for frequent and fast lifting and bending stresses in machines and tool building, robot systems and constantly moving machine components.

Standards

UL AWM Style 20233

CSA AWM I/II A/B

Construction

Conductor: Stranded bare copper, class 6 according to VDE 0295/BS 6360.

Insulation: Polyolefin.

Screen: Tinned copper wire braid.

Sheath: Full polyurethane sheath TPU.

Technical data

| | |
|---|---|
| Rated Voltage U ₀ /U (U _m) | 300V |
| Operating Temperatures | flexing: -40°C~+80°C; fixed: -50°C~+80°C |
| Minimum Bending Radius | flexing: 7.5×OD; fixed: 4×OD |
| Flame Retardant | VDE 0482-332-1-2/DIN EN 60332-1-2/IEC 60332-1 |
| Oil Resistant | Yes |
| Halogen Free | Yes |
| Ozone, Oxygen Resistant | Yes |
| Silicone Free | Yes |
| UV Resistant | Yes |
| Abrasion Resistance | Yes |

Dimensions

| CONSTRUCTION | NOMINAL OVERALL DIAMETER | NOMINAL WEIGHT |
|------------------------------|--------------------------|----------------|
| NO. OF CORES×MM ² | MM | KG/KM |
| 26AWG | | |
| 2×0.14 | 4.3 | 32 |
| 3×0.14 | 4.6 | 35 |
| 4×0.14 | 4.8 | 40 |
| 5×0.14 | 5.1 | 45 |
| 7×0.14 | 5.8 | 66 |
| 10×0.14 | 6.8 | 86 |
| 12×0.14 | 7.4 | 94 |

| | | |
|---------|------|-----|
| 14×0.14 | 7.4 | 102 |
| 18×0.14 | 7.8 | 118 |
| 24×0.14 | 8.8 | 149 |
| 25×0.14 | 9.2 | 156 |
| 24AWG | | |
| 2×0.25 | 5.0 | 38 |
| 3×0.25 | 5.2 | 44 |
| 4×0.25 | 5.6 | 51 |
| 5×0.25 | 5.9 | 68 |
| 7×0.25 | 6.8 | 82 |
| 10×0.25 | 8.3 | 110 |
| 12×0.25 | 8.4 | 124 |
| 14×0.25 | 8.9 | 135 |
| 18×0.25 | 9.5 | 150 |
| 24×0.25 | 10.8 | 194 |
| 25×0.25 | 11.3 | 204 |
| 22AWG | | |
| 2×0.34 | 5.4 | 45 |
| 3×0.34 | 5.7 | 60 |
| 4×0.34 | 6.0 | 76 |
| 5×0.34 | 6.5 | 82 |
| 7×0.34 | 7.7 | 110 |
| 10×0.34 | 9.1 | 148 |
| 12×0.34 | 10.0 | 166 |
| 14×0.34 | 10.0 | 185 |
| 18×0.34 | 10.6 | 216 |
| 24×0.34 | 12.1 | 291 |
| 25×0.34 | 12.8 | 305 |

G: with green-yellow earth core

x: without green-yellow earth core

Other dimensions and colours are possible on request.