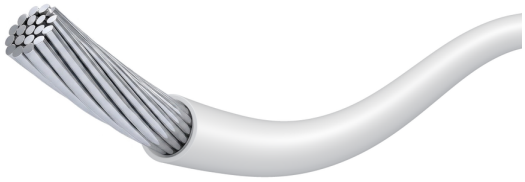
# UL 3321

**-40°C to +150°C, 600V**



## Construction
**Conductor:** Tinned Copper or Bare Copper
**Insulation:** Extruded · XLPE

## Thermal Characteristics
**Operating Temperature:** -40°C to +150°C

## Electrical Characteristics
**Operating Voltage:** 600V

## Application
**Internal wiring:** Internal wiring of appliances and electronic equipment.

## General Characteristics
**Abrasion & Cut-Through Resistance:** Tough cross-linked insulation with excellent resistance to abrasion, deformation, and cut-through.
**Soldering Heat Resistance:** Thermoset cross-linked insulation will not melt or flow at soldering temperatures.

## Standards & Approvals
**UL 758:** UL 758 Appliance Wiring Material, Style 3321.
**CSA C22.2 No. 210:** cUL Appliance Wiring Material, Style 3321.

## Fire Performance
**Fire Retardant:** VW-1 / FT1 / FT2

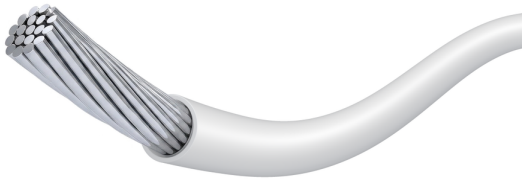
| CASMO Part No. | Conductor | | | | Insulation | | Nom. O.D. (mm) | Max. DCR @20°C (Ω/km) | Nom. Cable Weight (kg/km) |
|---|---|---|---|---|---|---|---|---|---|
| | Conductor Size (AWG) | No. Of Strands | Nom. Strand Dia. (mm) | Nom. Conductor Dia. (mm) | Nom. Ins. Thickness (mm) | Min. Ins. Thickness (mm) | | | |
| 410230/7-TS2-XX | 30 | 7 | 0.1 | 0.3 | 0.76 | 0.69 | 1.9 | 381 | 3.06 |
| 410228/7-TS2-XX | 28 | 7 | 0.127 | 0.38 | 0.76 | 0.69 | 2 | 239 | 3.6 |
| 410226/7-TS2-XX | 26 | 7 | 0.16 | 0.48 | 0.76 | 0.69 | 2.1 | 150 | 4.3 |
| 410224/11-TS2-XX | 24 | 11 | 0.16 | 0.61 | 0.76 | 0.69 | 2.2 | 94.2 | 5.23 |
| 410224/19-TS2-XX | 24 | 19 | 0.127 | 0.64 | 0.76 | 0.69 | 2.2 | 94.2 | 5.38 |
| 410222/7-TS2-XX | 22 | 7 | 0.254 | 0.76 | 0.76 | 0.69 | 2.4 | 59.4 | 6.94 |
| 410222/17-TS2-XX | 22 | 17 | 0.16 | 0.76 | 0.76 | 0.69 | 2.4 | 59.4 | 6.82 |
| 410220/19-TS2-XX | 20 | 19 | 0.2 | 1 | 0.76 | 0.69 | 2.52 | 36.7 | 9.14 |
| 410220/26-TS2-XX | 20 | 26 | 0.16 | 0.94 | 0.76 | 0.69 | 2.52 | 36.7 | 8.57 |
| 410220/41-TS2-XX | 20 | 41 | 0.127 | 0.94 | 0.76 | 0.69 | 2.52 | 36.7 | 8.54 |
| 410218/19-TS2-XX | 18 | 19 | 0.254 | 1.27 | 0.76 | 0.69 | 2.8 | 23.2 | 13.11 |
| 410218/41-TS2-XX | 18 | 41 | 0.16 | 1.18 | 0.76 | 0.69 | 2.8 | 23.2 | 12.04 |
| 410216/26-TS2-XX | 16 | 26 | 0.254 | 1.49 | 0.76 | 0.69 | 3.1 | 14.6 | 17.11 |
| 410216/65-TS2-XX | 16 | 65 | 0.16 | 1.5 | 0.76 | 0.69 | 3.1 | 14.6 | 16.99 |
| 410214/41-TS2-XX | 14 | 41 | 0.254 | 1.88 | 0.76 | 0.69 | 3.5 | 8.96 | 24.84 |
| 410214/104-TS2-XX | 14 | 104 | 0.16 | 1.89 | 0.76 | 0.69 | 3.5 | 8.96 | 24.93 |
| 410212/65-TS2-XX | 12 | 65 | 0.254 | 2.36 | 0.76 | 0.69 | 4 | 5.64 | 36.9 |
| 410212/168-TS2-XX | 12 | 168 | 0.16 | 2.37 | 0.76 | 0.69 | 4 | 5.64 | 37.61 |
| 410210/105-TS2-XX | 10 | 105 | 0.254 | 2.98 | 0.76 | 0.69 | 4.6 | 3.54 | 54.21 |
| 410210/259-TS2-XX | 10 | 259 | 0.16 | 2.97 | 0.76 | 0.69 | 4.6 | 3.54 | 55.31 |

Please confirm application-specific requirements with CASMO before ordering. Specifications are subject to change; please ensure you are using the latest revision.

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# UL 3321

## -40°C to +150°C, 600V



| CASMO Part No. | Conductor | | | | Insulation | | Nom. O.D. (mm) | Max. DCR @20°C (Ω/km) | Nom. Cable Weight (kg/km) |
|---|---|---|---|---|---|---|---|---|---|
| | Conductor Size (AWG) | No. Of Strands | Nom. Strand Dia. (mm) | Nom. Conductor Dia. (mm) | Nom. Ins. Thickness (mm) | Min. Ins. Thickness (mm) | | | |
| 41028/168-TS2-XX | 8 | 168 | 0.254 | 3.8 | 1.14 | 1.02 | 6.5 | 2.23 | 94.91 |
| 41028/420-TS2-XX | 8 | 420 | 0.16 | 3.78 | 1.14 | 1.02 | 6.5 | 2.23 | 95.5 |
| 41026/266-TS2-XX | 6 | 266 | 0.254 | 4.75 | 1.14 | 1.02 | 7.8 | 1.4 | 147.78 |
| 41026/665-TS2-XX | 6 | 665 | 0.16 | 4.75 | 1.14 | 1.02 | 7.8 | 1.4 | 146.82 |
| 41024/133-TS2-XX | 4 | 133 | 0.45 | 5.98 | 1.14 | 1.02 | 9.1 | 0.9 | 222.41 |
| 41024/420-TS2-XX | 4 | 420 | 0.254 | 5.98 | 1.14 | 1.02 | 9.1 | 0.9 | 223.56 |
| 41024/1064-TS2-XX | 4 | 1064 | 0.16 | 5.98 | 1.14 | 1.02 | 9.1 | 0.9 | 224.55 |
| 41022/665-TS2-XX | 2 | 665 | 0.254 | 8.10 | 1.52 | 1.37 | 11.5 | 0.56 | 343.51 |
| 41022/1665-TS2-XX | 2 | 1665 | 0.16 | 8.10 | 1.52 | 1.37 | 11.5 | 0.56 | 341.56 |

### Table Notes

Part No. code: XX = colour code — BK Black, WH White, RD Red, GN Green, BN Brown, BL Blue, OR Orange, YW Yellow, VT Violet, GY Grey, PK Pink, TN Tan, CL Clear. "-TS2-" = tinned copper conductor with FT2 flame rating (standard). "-TS1-" = tinned copper conductor with VW-1 / FT1 flame rating (optional).

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