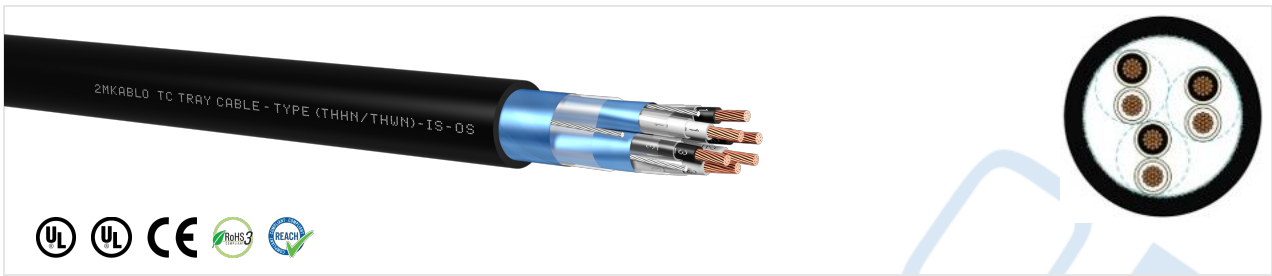


## TC - TYPE (THHN/THWN) Braided



### Areas of Use

UL-approved, flexible cables for use up to 600 V cables are installed in cable trays, ducts, and conduit. They are used in manufacturing facilities, for all machines, tools and installation work, industries such as petrochemical. Suitable for use in dry, damp and wet areas, outside, in cable ducts, open cable trays.

### Cable Construction

|                             |   |
|-----------------------------|---|
| <b>Conductor</b>            | Solid or Stranded Annealed Copper (ASTM B3, stranding per ASTM B8)                                    |
| <b>Insulation</b>           | PVC / Nylon (UL 1581 Class 90°C, EN 50363-3 T13). UL 83 for THHN or THWN, UL 66 for TFN or TFFN       |
| <b>Core Colors</b>          | HD 308 or ICEA Method 1 Table E2  |
| <b>Insulated Conductors</b> | AWG16 & AWG18 - Types TFN and TFFN, AWG14 & Larger - THHN and THWN                                    |
| <b>Lay-up</b>               | Cores are stranded in layers  |
| <b>Separator</b>            | PET Foil  |
| <b>Screen</b>               | Tinned Copper Wire Braid  |
| <b>Outer Sheath</b>         | PVC Jacket (UL 1581 Class 90°C). The thickness of the overall jacket is in accordance with the UL1277 |
| <b>Reference Standards</b>  | UL 1277, UL 83, UL 1685, CSA C22.2 NO. 239, NEC Article 336   |

### Technical Properties

|   |  |
|---|--|
| <b>Operating Voltage</b>                                  | 600 V  |
| <b>Test Voltage</b>                                       | 2.5 kV   |
| <b>Dielectric Voltage Withstand</b>                       | UL 1277  |
| <b>Short Term Insulation Resistance In Water At 15 °c</b> | UL 2556  |
| <b>Max. Operating Temperature</b>                         | THHN or THWN 90°C dry 75°C wet, TFN and TFFN 90°C dry    |
| <b>Flame Retardancy</b>                                   | CSA FT4, UL 1685, IEC/EN 60332-1, IEC 60332-3-24 (CAT C) |
| <b>Oil Resistance</b>                                     | ASTM No 2 oil 70°C 4 hours (IEC / EN 60811- 404)         |
| <b>Sunlight Resistance</b>                                | Acc. to UL 1581, Sec. 1200                               |
| <b>Cold Bend Rated</b>                                    | -40  |
| <b>Flexibility Test After Aging</b>                       | UL 2556  |
| <b>Deformation Resistance</b>                             | UL 2556  |
| <b>Min. Bending Radius (Fixed)</b>                        | 7.5 x Cable Diameter                                     |

21.11.2024 23:23

**Legal Warning:** The information in this catalog is for marketing purposes. 2M Kablo can change this catalog during product development and any requirements. 2M Kablo can always change designs, technical specifications, images and other informations in this catalog without any notice. This catalog is only a guide and is valid at the time of download, not valid for an offer or contract.

If you need more information about the products in this catalog, please contact us via [info@2mkablo.com](mailto:info@2mkablo.com) or call +90 (212) 222 8250.