TC - TYPE (THHN/THWN) Pairs (Triads) 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

Conductor	Solid or Stranded Annealed Copper (ASTM B3, stranding per ASTM B8)
Insulation	PVC / Nylon (UL 1581 Class 90°C, EN 50363-3 TI3). UL 83 for THHN or THWN, UL 66 for TFN or TFFN
Core Colors	Pair: Black / White, Numbered, Triples: Black / White / Red, Numbered
Insulated Conductors	AWG16 & AWG18 - Types TFN and TFFN, AWG14 & Larger - THHN and THWN
Lay-up	Pairs are stranded in layers
Separator	PET Foil
Overall Screen	Tinned Copper Wire Braiding (60% Coverage)*
Reference Standards	UL 1277, UL 83, UL 1685, CSA C22.2 NO. 239, NEC Article 336

Technical Properties

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

11.11.2026 16:31

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 or call +90 (212) 222 8250.