

UL Control Cable Type TC



Overview & Features

PPC's Type TC UL Control Cable product line offers superior performance, unmatched quality, and a reliable, durable design built to withstand the harshest of environmental factors.

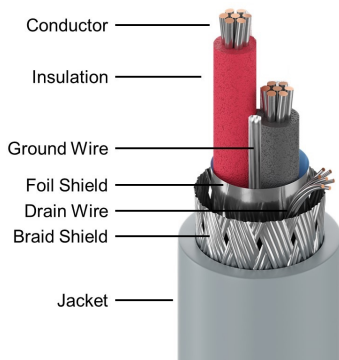
The Type TC cable is suited for delivering power to a wide range of applications, including wireless sites. The cables feature tinned stranded copper conductors, a non-insulated ground wire, and a superior combination of foil and braid shielding. The cable construction and sun-resistant outer jacket material are suitable for indoor, outdoor, and direct burial installations.

Product Features:

- 19X tinned stranded copper conductors
- PVC/Nylon conductor insulation
- Non-insulated 7X tinned stranded ground wire
- 100% foil coverage plus 65% braid coverage, with integral 7X tinned stranded drain wire
- Sun-resistant PVC jacket with ripcord
- 600V (TC) UL Voltage Rating
- 90°C Dry, 90°C Wet UL Temperature Rating
- -30°C to 90°C Wet/Dry operating range
- Manufactured with 100% RoHS compliant materials

Ordering Information

Part Number	# of Conductors	Conductor Size	Ground Wire	Drain Wire	DCR (per 1000 ft)	Current (at 30°C)	UL Rating	Reel Length
TC1202TA2CG-1000F	2	12 AWG	12 AWG	14 AWG	1.65 Ω	30 Amps	TC	1000 ft
TC1202TA2CG-2500F								2500 ft
TC1002TA2CG-1000F	2	10 AWG	10 AWG	14 AWG	1.04 Ω	40 Amps	TC	1000 ft
TC1002TA2CG-2500F								2500 ft
TC0802TA2CG-1000F	2	8 AWG	10 AWG	12 AWG	0.64 Ω	55 Amps	TC-ER	1000 ft
TC0802TA2CG-2500F								2500 ft
TC0602TA2CG-1000F	2	6 AWG	8 AWG	12 AWG	0.41 Ω	75 Amps	TC-ER	1000 ft
TC0602TA2CG-2500F								2500 ft
TC0806TAPCG-1000F	6	8 AWG	10 AWG	12 AWG	0.64 Ω	44 Amps	TC-ER	1000 ft
TC0806TAPCG-2500F								2500 ft
TC0606TAPCG-1000F	6	6 AWG	8 AWG	12 AWG	0.41 Ω	60 Amps	TC-ER	1000 ft
TC0606TAPCG-2500F								2500 ft



These products may be protected by one or more patents • For further information, please visit: www.ppc-online.com/patents

Control Cable

600V Type TC Cable

TC0602TA2CG-XXXXX

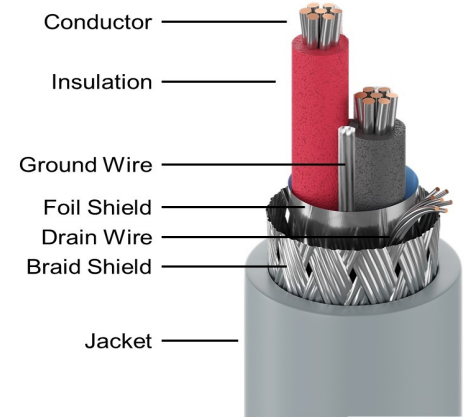


General Description

TC VN/PVC, 2+G C #6 Str TC, PVC-NYL Ins E2, OCS, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Mechanical Specifications

Specification	Value
Conductor	Stranded Tinned Copper
Number of Conductors	2
Conductor Size	6 AWG (19x19)
Insulation	PVC (Polyvinyl Chloride) + Nylon
Nominal Diameter Over Conductor	0.254 in (6.45 mm)
Insulation Color	ICEA Table E2 (Black, Red)
Ground Wire	8 AWG (7X16) Tinned Copper
Outer Shield	Foil 100%+12AWG DW+Braid 65%
Jacket	PVC (Polyvinyl Chloride), Black
Nominal Diameter Over Jacket	0.660 in (16.76 mm)
Ripcord	Yes
Minimum Bending Radius (Installed)	6.70 in (170 mm)
Pulling Tension	528 lbs (239 kg)
Bulk Cable Weight	344 lbs (156 kg) / 1000 ft



Performance Specifications

Specification	Value
Nominal Conductor DCR	0.41 Ohm/1000 ft.
Maximum Current per Conductor	75 Amps @ 30°C
UL Voltage Rating	600V (TC)
UL Temperature Rating	90°C Dry, 90°C Wet
Operating Temperature Range	Wet/Dry: -30°C to 90°C

Ordering Information

Part Number	Length
TC0602TA2CG-1000F	1000 ft
TC0602TA2CG-2500F	2500 ft

*Cable and reel images for reference only. Please refer to description for color.



Standards and Compliance

Specification	Value
Environmental Suitability	Indoor, Outdoor, Sunlight Resistance, Direct Burial
Flammability/Reaction to Fire	UL 1685, CSA FT4, IEEE 1202
Applicable Specifications	NEC TYPE TC-ER (UL1277)

Packaging Specifications

Specification	Value
Cable Length per Reel	See available part numbers
Packaging Dimensions	Length dependent
Shipping Weight	Length dependent



Control Cable

600V Type TC Cable

TC0606TAPCG-XXXXX

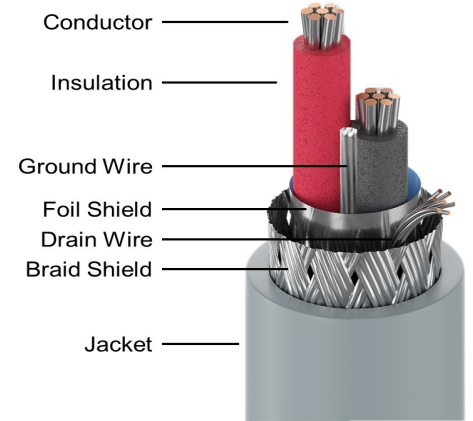


General Description

TC VN/PVC, 6+G C #6 Str TC, PVC-NYL Ins P, OCS, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Mechanical Specifications

Specification	Value
Conductor	Stranded Tinned Copper
Number of Conductors	6 (3 pairs)
Conductor Size	6 AWG (19x19)
Insulation	PVC (Polyvinyl Chloride) + Nylon
Nominal Diameter Over Conductor	0.254 in (6.45 mm)
Insulation Color	Black & Red Numbered Pairs
Ground Wire	8 AWG (7X16) Tinned Copper
Outer Shield	Foil 100%+12AWG DW+Braid 65%
Jacket	PVC (Polyvinyl Chloride), Black
Nominal Diameter Over Jacket	1.00 in (25.4 mm)
Ripcord	Yes
Minimum Bending Radius (Installed)	10.0 in (254 mm)
Pulling Tension	1584 lbs (718 kg)
Bulk Cable Weight	806 lbs (366 kg) / 1000 ft



Performance Specifications

Specification	Value
Nominal Conductor DCR	0.41 Ohm/1000 ft.
Maximum Current per Conductor	60 Amps @ 30°C
UL Voltage Rating	600V (TC)
UL Temperature Rating	90°C Dry, 90°C Wet
Operating Temperature Range	Wet/Dry: -30°C to 90°C

Ordering Information

Part Number	Length
TC0606TAPCG-1000F	1000 ft
TC0606TAPCG-2500F	2500 ft

**Cable and reel images for reference only. Please refer to description for color.*



Standards and Compliance

Specification	Value
Environmental Suitability	Indoor, Outdoor, Sunlight Resistance, Direct Burial
Flammability/Reaction to Fire	UL 1685, CSA FT4, IEEE 1202
Applicable Specifications	NEC TYPE TC-ER (UL1277)

Packaging Specifications

Specification	Value
Cable Length per Reel	See available part numbers
Packaging Dimensions	Length dependent
Shipping Weight	Length dependent



Control Cable

600V Type TC Cable

TC0802TA2CG-XXXXX

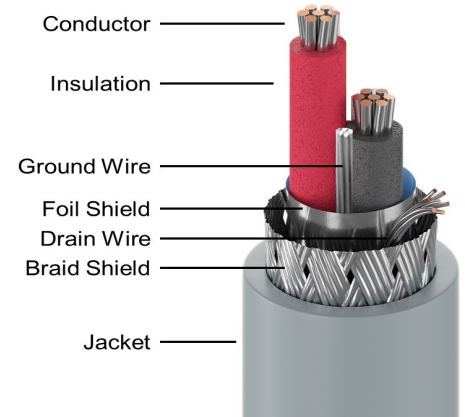


General Description

TC VN/PVC, 2+G C #8 Str TC, PVC-NYL Ins E2, OCS, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Mechanical Specifications

Specification	Value
Conductor	Stranded Tinned Copper
Number of Conductors	2
Conductor Size	8 AWG (19x21)
Insulation	PVC (Polyvinyl Chloride) + Nylon
Nominal Diameter Over Conductor	0.216 in (5.49 mm)
Insulation Color	ICEA Table E2 (Black, Red)
Ground Wire	10 AWG (7X18) Tinned Copper
Outer Shield	Foil 100%+12AWG DW+Braid 65%
Jacket	PVC (Polyvinyl Chloride), Black
Nominal Diameter Over Jacket	0.590 in (14.99 mm)
Ripcord	Yes
Minimum Bending Radius (Installed)	5.90 in (150 mm)
Pulling Tension	266 lbs (121 kg)
Bulk Cable Weight	247 lbs (112 kg) / 1000 ft



Performance Specifications

Specification	Value
Nominal Conductor DCR	0.64 Ohm/1000 ft.
Maximum Current per Conductor	55 Amps @ 30°C
UL Voltage Rating	600V (TC)
UL Temperature Rating	90°C Dry, 90°C Wet
Operating Temperature Range	Wet/Dry: -30°C to 90°C

Ordering Information

Part Number	Length
TC0802TA2CG-1000F	1000 ft
TC0802TA2CG-2500F	2500 ft

**Cable and reel images for reference only. Please refer to description for color.*



Standards and Compliance

Specification	Value
Environmental Suitability	Indoor, Outdoor, Sunlight Resistance, Direct Burial
Flammability/Reaction to Fire	UL 1685, CSA FT4, IEEE 1202
Applicable Specifications	NEC TYPE TC-ER (UL1277)

Packaging Specifications

Specification	Value
Cable Length per Reel	See available part numbers
Packaging Dimensions	Length dependent
Shipping Weight	Length dependent



Control Cable

600V Type TC Cable

TC0806TAPCG-XXXXX

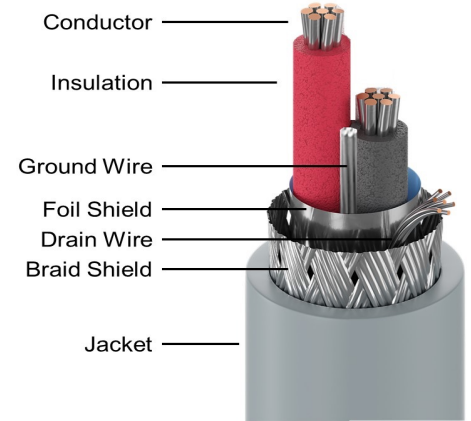


General Description

TC VN/PVC, 6+G C #8 Str TC, PVC-NYL Ins P, OCS, Blk PVC Jkt, 600V TC-ER 90C Dry/Wet SUN RES DIR BUR

Mechanical Specifications

Specification	Value
Conductor	Stranded Tinned Copper
Number of Conductors	6 (3 Pairs)
Conductor Size	8 AWG (19x21)
Insulation	PVC (Polyvinyl Chloride) + Nylon
Nominal Diameter Over Conductor	0.216 in (5.49 mm)
Insulation Color	Black & Red Numbered Pairs
Ground Wire	10 AWG (7X18) Tinned Copper
Outer Shield	Foil 100%+12AWG DW+Braid 65%
Jacket	PVC (Polyvinyl Chloride), Black
Nominal Diameter Over Jacket	0.870 in (22.10 mm)
Ripcord	Yes
Minimum Bending Radius (Installed)	8.70 in (221 mm)
Pulling Tension	798 lbs (362 kg)
Bulk Cable Weight	532 lbs (241 kg) / 1000 ft



Performance Specifications

Specification	Value
Nominal Conductor DCR	0.64 Ohm/1000 ft.
Maximum Current per Conductor	44 Amps @ 30°C
UL Voltage Rating	600V (TC)
UL Temperature Rating	90°C Dry, 90°C Wet
Operating Temperature Range	Wet/Dry: -30°C to 90°C

Ordering Information

Part Number	Length
TC0806TAPCG-1000F	1000 ft
TC0806TAPCG-2500F	2500 ft

**Cable and reel images for reference only. Please refer to description for color.*



Standards and Compliance

Specification	Value
Environmental Suitability	Indoor, Outdoor, Sunlight Resistance, Direct Burial
Flammability/Reaction to Fire	UL 1685, CSA FT4, IEEE 1202
Applicable Specifications	NEC TYPE TC-ER (UL1277)

Packaging Specifications

Specification	Value
Cable Length per Reel	See available part numbers
Packaging Dimensions	Length dependent
Shipping Weight	Length dependent



Control Cable

600V Type TC Cable

TC1002TA2CG-XXXXX

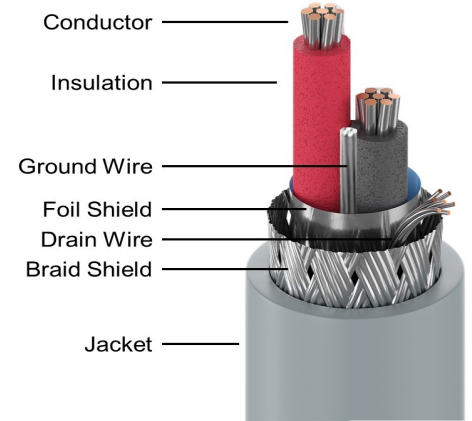


General Description

TC VN/PVC, 2+G C #10 Str TC, PVC-NYL Ins E2, OCS, Blk PVC Jkt, 600V TC 90C Dry/Wet SUN RES DIR BUR

Mechanical Specifications

Specification	Value
Conductor	Stranded Tinned Copper
Number of Conductors	2
Conductor Size	10 AWG (19x23)
Insulation	PVC (Polyvinyl Chloride) + Nylon
Nominal Diameter Over Conductor	0.164 in (4.17 mm)
Insulation Color	ICEA Table E2 (Black, Red)
Ground Wire	10 AWG (7X18) Tinned Copper
Outer Shield	Foil 100%+14AWG DW+Braid 65%
Jacket	PVC (Polyvinyl Chloride), Black
Nominal Diameter Over Jacket	0.420 in (10.67 mm)
Ripcord	Yes
Minimum Bending Radius (Installed)	4.30 in (109 mm)
Pulling Tension	166 lbs (75 kg)
Bulk Cable Weight	157 lbs (71 kg) / 1000 ft



Performance Specifications

Specification	Value
Nominal Conductor DCR	1.04 Ohm/1000 ft.
Maximum Current per Conductor	40 Amps @ 30°C
UL Voltage Rating	600V (TC)
UL Temperature Rating	90°C Dry, 90°C Wet
Operating Temperature Range	Wet/Dry: -30°C to 90°C

Ordering Information

Part Number	Length
TC1002TA2CG-1000F	1000 ft
TC1002TA2CG-2500F	2500 ft

**Cable and reel images for reference only. Please refer to description for color.*



Standards and Compliance

Specification	Value
Environmental Suitability	Indoor, Outdoor, Sunlight Resistance, Direct Burial
Flammability/Reaction to Fire	UL 1685, CSA FT4, IEEE 1202
Applicable Specifications	NEC TYPE TC (UL1277)

Packaging Specifications

Specification	Value
Cable Length per Reel	See available part numbers
Packaging Dimensions	Length dependent
Shipping Weight	Length dependent



Control Cable

600V Type TC Cable

TC1202TA2CG-XXXXX

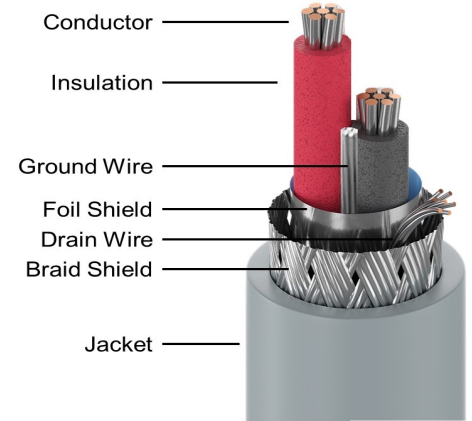


General Description

TC VN/PVC, 2+G C #12 Str TC, PVC-NYL Ins E2, OCS, Blk PVC Jkt, 600V TC 90C Dry/Wet SUN RES DIR BUR

Mechanical Specifications

Specification	Value
Conductor	Stranded Tinned Copper
Number of Conductors	2
Conductor Size	12 AWG (19x25)
Insulation	PVC (Polyvinyl Chloride) + Nylon
Nominal Diameter Over Conductor	0.131 in (3.33 mm)
Insulation Color	ICEA Table E2 (Black, Red)
Ground Wire	12 AWG (7X20) Tinned Copper
Outer Shield	Foil 100%+14AWG DW+Braid 65%
Jacket	PVC (Polyvinyl Chloride), Black
Nominal Diameter Over Jacket	0.380 in (9.65 mm)
Ripcord	Yes
Minimum Bending Radius (Installed)	3.90 in (99 mm)
Pulling Tension	102 lbs (46 kg)
Bulk Cable Weight	113 lbs (51 kg) / 1000 ft



Performance Specifications

Specification	Value
Nominal Conductor DCR	1.65 Ohm/1000 ft.
Maximum Current per Conductor	30 Amps @ 30°C
UL Voltage Rating	600V (TC)
UL Temperature Rating	90°C Dry, 90°C Wet
Operating Temperature Range	Wet/Dry: -30°C to 90°C

Ordering Information

Part Number	Length
TC1202TA2CG-1000F	1000 ft
TC1202TA2CG-2500F	2500 ft

**Cable and reel images for reference only. Please refer to description for color.*



Standards and Compliance

Specification	Value
Environmental Suitability	Indoor, Outdoor, Sunlight Resistance, Direct Burial
Flammability/Reaction to Fire	UL 1685, CSA FT4, IEEE 1202
Applicable Specifications	NEC TYPE TC (UL1277)

Packaging Specifications

Specification	Value
Cable Length per Reel	See available part numbers
Packaging Dimensions	Length dependent
Shipping Weight	Length dependent

