PHILATRON
WIRE AND CABLE ● USA MANUFACTURER
Manufacturing Solutions with Undeniable Value!

PHILATRON DATA CENTER TRAY CABLE

Applications:
Commercial, Data Centers, & Industrial
Installations for channels, ducts, wireways, TC-ER-JP rated indoor or outdoor cable trays, and raceways.

Features:

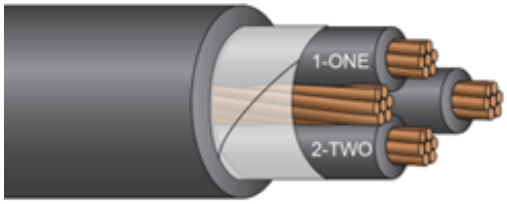
- **ULTIMATE FLEXIBILITY** - For easier and faster installation that saves time and labor burdened by stiff tray cable and tight bends
- Sizes 8 AWG to 1000 MCM
- Sunlight Resistant
- Oil Resistant
- Abrasion Resistant
- For wet or dry locations
- Permitted for direct Burial
- For applications requiring TC-ER-JP rating
- RoHs Compliant
- Made in the USA

Construction:

- Planetary cabling to prevent twisting and torsion of conductors for superior flexibility and durability.
- Soft annealed bare copper ASTM Class I - 24 AWG stranding for superior flexibility.
- Inners insulated with high dielectric strength +105C to -40C extra flexible PVC.
- Bare copper ground.
- Inners and ground cabled with clear spiral wrapped Mylar tape and Nylon rip cord for east stripping.
- Jacketed with sun, flame, oil, & water, resistant +105C to -40C extra flexible black PVC.
- Color Code: ICEA Method 4 printed numbers - NEMA (K-2)
- Black Inners printed with white ink:1-Black, 2-Red, 3-Blue, 4-Orange

Standards:
ICEA S-73-532; ICEA S-95-658; UL 1277; UL 83
UL listed E-128448

ULTIMATE FLEXIBILITY



600 Volts -- THW-2 Inners -- PVC Jacket

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Part Number	Size (AWG)	No. of Conductors	Green Grd. Size	Jacket Thickness "	Diameter Inches	Ampacity Amps	Weight Lbs./MFT
TC8-3C	8	3	10	.060	.653	55	342
TC8-4C	8	4	10	.060	.717	55	417
TC6-3C	6	3	8	.080	.868	75	553
TC6-4C	6	4	8	.080	.952	75	689
TC4-3C	4	3	8	.080	.988	95	774
TC4-4C	4	4	8	.080	1.09	95	980
TC3-3C	3	3	6	.080	1.05	115	947
TC3-4C	3	4	6	.080	1.155	115	1,197
TC2-3C	2	3	6	.080	1.109	130	1,088
TC2-4C	2	4	6	.080	1.223	130	1,383
TC1-3C	1	3	6	.080	1.299	145	1,408
TC1-4C	1	4	6	.080	1.435	145	1,801
TC1-0-3C	1/0	3	6	.080	1.402	170	1,637
TC1-0-4C	1/0	4	6	.080	1.551	170	2,103
TC2-0-3C	2/0	3	6	.080	1.585	195	2,097
TC2-0-4C	2/0	4	6	.110	1.861	195	2,819
TC3-0-3C	3/0	3	4	.110	1.751	225	2,632
TC3-0-4C	3/0	4	4	.110	1.935	225	3,375
TC4-0-3C	4/0	3	4	.110	1.889	260	3,183
TC4-0-4C	4/0	4	4	.110	2.080	260	4,103
TC250-3C	250 MCM	3	4	.110	2.102	290	3,820
TC250-4C	250 MCM	4	4	.110	2.328	290	4,942
TC300-3C	300 MCM	3	3	.110	2.221	320	4,352
TC300-4C	300 MCM	4	3	.110	2.461	320	5,633
TC350-3C	350 MCM	3	3	.110	2.356	350	5,056
TC350-4C	350 MCM	4	3	.110	2.613	350	6,564
TC400-3C	400 MCM	3	3	.110	2.423	380	5,507
TC400-4C	400 MCM	4	3	.110	2.688	380	7,163
TC500-3C	500 MCM	3	2	.110	2.660	430	6,735
TC500-4C	500 MCM	4	2	.140	3.013	430	8,958
TC600-3C	600 MCM	3	2	.140	2.97	475	8,190
TC600-4C	600 MCM	4	2	.140	3.293	475	10,662
TC750-3C	750 MCM	3	2	.140	3.419	535	10,301
TC750-4C	750 MCM	4	2	.140	3.795	535	13,427
TC1000-3C	1000 MCM	3	1/0	.140	3.832	615	13,530
TC1000-4C	1000 MCM	4	1/0	.140	4.259	615	17,682

Ampacity is based on Ambient Temperature of 30°C (86°F) per NEC Table 310.15(B)(16).
When neutral conductor is considered current carrying, the ampacity of 4 conductor cables is reduced by a factor .80 per NEC 310.15(B)(3)(a)
Refer to NEC 310.15(B)(2) for the Ampacity correction factors where the ambient temperature is other than 30°C (86°F).
All dimensions and weights are nominal and approximate.