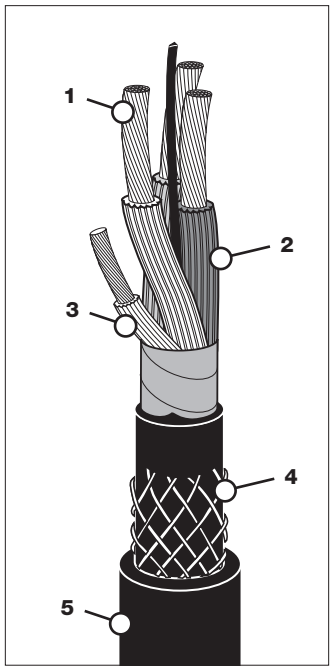
Super-Trex® 4/0 Type TC Power Cable

- UL Listed
- CSA
- Type TC-ER – 600 V
- FT-4 Flame Rating
- Suitable for Class I, II, Division 2*
- Max Conductor Temperature 90°C
- UV Resistant
- RoHS Compliant

Super-Trex® 4/0 Type TC Power Cables are designed with a double pass TSE fiber reinforced jacket which provides excellent resistance to impact, abrasion, oils and most industrial chemicals while providing added strength against twisting and pulling. Available with 2 or 3 conductors, and a 2 AWG or 1/0 AWG ground wire. This is a black jacketed product.



FEATURES & BENEFITS

1. BUNCH STRANDED SOFT DRAWN COPPER — Longer flex life in flexing and twisting applications.

2. CONDUCTORS ARE NUMBERED — Provides fast identificaton of conductors. Easy to read and simplifies installation.

3. LIVE-FLEX FREP CONDUCTOR INSULATION — Flame retardant EP insulation designed for tray cable applications. High dielectric, tensile and mechanical properties.

4. RAYON TIRE CORD REINFORCING BRAID EMBEDDED IN JACKET — Provides added strength. Improves cable resistance to impact, abrasion, twisting and pulling.

5. BLACK HEAVY-DUTY SUPER-TREX® TSE DOUBLE PASS JACKET — Provides superior first line defense against industrial and environmental abuse. Resists tearing, abrasion, oil, impact, ozone and most chemicals. Flame and heat resistant. Extreme all weather flexibility.

APPLICATIONS

- Automation Equipment
- Robot Power Supplies
- Mobile Equipment
- Tray Cable Applications
- Temporary and Emergency Power
- Pumps

COLOR CODE	
#	BASE COLOR
3	Black – 1, Black – 2, Green
4	Black – 1, Black – 2 Black – 3, Green

AMPACITY CHANGES BASED ON LAYERS	
NO. OF LAYERS	CORRECTION FACTORS
1	0.85
2	0.65
3	0.45
4	0.35

AMPACITY CHANGES BASED ON TEMPERATURE[1]		
AMBIENT TEMPERATURE		CORRECTION FACTOR MULTIPLY AMPACITY BY
°C	°F	
21 - 25	69 - 77	1.04
26 - 30	78 - 86	1.00
31 - 35	87 - 95	0.96
36 - 40	96 - 104	0.91
41 - 45	105 - 113	0.87
46 - 50	114 - 122	0.82
51 - 55	123 - 131	0.76
56 - 60	132 - 140	0.71
61 - 65	141 - 149	0.65
66 - 70	150 - 158	0.58

NOTE: (1) NEC, Table 310.15(B)(2)(A).

Recommended Minimum Bend Radius for Cable Applications

The Minimum Bend Radius for Dynamic Applications is 8 times the O.D. of the cable. Minimum Bend Radius for Static Applications is 6 times the O.D. of the cable.

ORDERING INFORMATION *(MINIMUM PURCHASE MAY BE REQUIRED IF PRODUCT NOT STOCKED)*

PART NO.	CABLE SIZE AWG/COND	CONDUCTOR STRANDING	AMPACITY[2]	NOMINAL O.D. (IN)	WT. (LBS) PER 1000'	MIN. BEND RADIUS (IN)
85412	4/0 - 2 Conductor with a 1/0 Ground	2090 x 30 & 1064 x 30	260	1.790	2958	14.32
85413	4/0 - 3 Conductor with a 1/0 Ground	2090 x 30 & 1064 x 30	260	2.160	4170	1728

NOTES: (2) Based on an ambient temperature of 30°C and conductor temperature of 90°C per NEC, Table 3.10.15(B)(16).

**When installed in accordance with NEC guidelines sections, 501.140, 502.140, 503.140.*