

Auto Flex - TC

Flexible Tray Rated Power Supply Cable

Multi-Conductor, 2000 Volt, Tray Cable with XLPE Insulated
Circuit Conductors with an Overall Thermoset Jacket

APPLICATIONS

Auto-Flex TC is designed and manufactured for use as a power supply cable from a welding timer or controller to the base of a robot in a resistance welding application. The cable provides a flexible tray rated solution that enhances the ease of installation when compared to standard tray cable. This cable can be used in many applications where flexibility is required and is suitable for use in exposed runs in accordance with NEC.

CONSTRUCTION

1. **Conductors:** Class K stranded, soft drawn, bare copper per ASTM B 3 and ASTM B 172
2. **Insulation:** Heat and moisture resistant, thermosetting cross-linked polyethylene meeting the requirements of ICEA S-95-658 (NEMA WC 70). The insulation is acceptable for use in wet or dry locations at 90°C. The insulation thickness is in accordance with Table 17 of UL 44.
3. **Jacket:** Heat, moisture and sunlight resistant thermoset jacket, meeting the requirements of ICEA S-95-658 (NEMA WC 70). The thickness is in accordance with Table 11.3 of UL 1277.

RATINGS

UL 1277 Type TC—ER
UL 44 Type RHW— 2 Conductors
ICEA S-95-658 (NEMA WC 70)
Direct Burial, Sunlight Resistant
CSA AWM I/II A/B FT4

OPTIONS

600 Volt
Shielded



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Part Number	Conductor Number	Conductor Size	Stranding	Nominal O.D. inches	Ampacity*	Minimum Bend Diameter	Approx. Cable Weight Lbs/Mft
031245	3	8AWG	168/30	0.845	55	6.8	405
031237	4	8AWG	168/30	0.970	44	7.8	547
031246	3	6AWG	266/30	0.990	75	8.0	593
031238	4	6 AWG	266/30	1.090	60	11.0	746
031247	3	4 AWG	413/30	1.110	95	11.0	795
031239	4	4AWG	413/30	1.220	76	12.2	1009
031111	3	2 AWG	665/30	1.250	130	12.5	1115
031240	4	2 AWG	655/30	1.380	104	13.8	1429
031249	3	1/0 AWG	1045/30	1.535	170	15.4	1615
031241	4	1/0AWG	1045/30	1.695	136	17.0	2088
031250	3	2/0 AWG	1323/30	1.690	195	17.0	2007
031242	4	2/0 AWG	1323/30	1.935	156	19.4	2727
031251	3	3/0 AWG	1672/30	1.845	225	18.4	2557
031243	4	3/0 AWG	1672/30	2.040	180	24.4	3287
031252	3	4/0AWG	2107/30	2.085	260	25.0	3142
031244	4	4/0AWG	2107/30	2.310	208	27.8	4048

* Ampacity based on single cable in free air 30°C ambient 90°C conductor temperature