

Auto-Flex® CF Control Cable

Type TC continuous flex cable / multiconductor / thermoset jacket
600V



APPLICATIONS:

AUTO-FLEX® TC continuous flexing control cable is designed and manufactured with reduced diameters for use in continuous flexing and high speed automated applications where smaller bend radius, long flex life, resistance to tension, flame, abrasion, and temperature are considerations. Applications include cable carriers (C-Track), festoon systems, and cable trays for automated robotic feeds.

SPECIFICATIONS & RATINGS:

- UL listed Type TC (Tray Cable)
- CSA certified (File No. LL36970)
- AWM certified
- Meets IEEE 383-1974 vertical flame test, CSA FT4, 600 Volt, 90°C Dry, 75°C Wet

OPTIONS:

- Shielded pairs
- Overall shields
- Composite conductors
- Fiber optics

DESIGN PARAMETERS:

Conductors:

Soft drawn tinned copper, per ASTM B -174, and UL-62 for very high flexibility and increased flex life, reduced copper fatigue/ conductor breakage, easy soldering and corrosion resistance.

Insulation:

Color-coded flexible and flameretardant insulation with a nylon sheath rated for 90°C dry and 75°C wet applications.

Cabling:

Conductors are planetary cabled in a contra-helical lay with non-wicking, nonhygroscopic fillers with an overall binder of rubberized fabric tape for exceptional performance in severe flexing applications

Jacket:

Black, flame and oil resistant thermoset jacket per UL-62 and ICEA S-68-516 suitable for use indoors and outdoors in severe flexing applications where oil, chemicals and extreme temperatures are considerations.

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Number of Conductors	Conductor Size	Stranding	Nominal Insulation Thickness in (mm)	Nominal Nylon Sheath Thickness in (mm)	Nominal Jacket Thickness in (mm)	Nominal Cable O.D. in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
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18 AWG

4	18	19	15	4	45	0.335	75
8	18	19	15	4	45	0.420	121
10	18	19	15	4	45	0.480	147
12	18	19	15	4	45	0.500	167
16	18	19	15	4	60	0.580	232
19	18	19	15	4	60	0.605	265
24	18	19	15	4	60	0.700	321
30	18	19	15	4	60	0.740	384

16 AWG

4	16	19	15	4	45	0.365	82
8	16	19	15	4	45	0.455	140
10	16	19	15	4	45	0.530	172
12	16	19	15	4	60	0.580	217
16	16	19	15	4	60	0.635	270
19	16	19	15	4	60	0.665	308
24	16	19	15	4	60	0.770	381
30	16	19	15	4	60	0.815	450

14 AWG

4	14	19	15	4	45	0.390	111
8	14	19	15	4	45	0.495	193
10	14	19	15	4	60	0.610	261
12	14	19	15	4	60	0.630	300
16	14	19	15	4	60	0.695	376
19	14	19	15	4	60	0.730	432
24	14	19	15	4	60	0.845	532
30	14	19	15	4	60	0.940	686

12 AWG

4	12	19	15	4	45	0.440	197
8	12	19	15	4	60	0.590	287
10	12	19	15	4	60	0.685	353
12	12	19	15	4	60	0.705	406
16	12	19	15	4	60	0.780	518
19	12	19	15	4	60	0.825	601
24	12	19	15	4	60	1.000	790
30	12	19	15	4	60	1.060	951

The data herein is approximate and subject to normal manufacturing tolerances.
These specifications are subject to change without notice.