

PENDFLEX™ Control Cable

Type MTW Pendant Control Cable / 90° C / 16 AWG / PVC Jacket
600V



APPLICATIONS:

PENDFLEX™ Pendant Control Cable is designed to provide maximum flex-life under the most demanding continuous flexing conditions where flame, chemicals, moisture, and temperature extremes are considerations. PENDFLEX applications include portable control, festoon systems, pendant stations, power tracks, cranes and hoists, power carriage systems and other flexing applications.

SPECIFICATIONS & RATINGS:

- UL Listed (E171178-STD, E60362-STEEL)
- Type MTW 90°C
- CSA certified (LL231593)
- AWM 90°C FT 1

CONSTRUCTION OPTIONS:

Consult the factory for PENDFLEX cables designed and manufactured in a variety of alternative constructions for specific applications.

Options Include:

- Shielded components
- Overall shields
- Composite conductors
- Available without strain relief

DESIGN PARAMETERS:

Conductors:

Extra flexible, soft annealed, bunch stranded, bare copper (Class M) provides extreme flexibility and meets ASTM standards B3 and B174.

Insulation:

Color coded, high quality, glossy smooth 90°C PolyVinyl Chloride (PVC) per UL-62 and CSA C22.2 No. 49 with a layer of clear nylon. Provides easy conductor identification, outstanding flexibility and excellent physical/electrical properties.

Cabling:

Conductors are cabled with a helically applied overall binder for exceptional performance in severe flexing applications.

Strain Relief:

Two 1/16" (1.6 mm) galvanized steel supports extruded with the jacket.

Jacket:

Available in stock with a glossy vibrant yellow polyvinyl chloride jacket per UL-62 and CSA C22.4 No. 49 for safety visibility, outstanding flexibility and abrasion resistance.

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Part Number	Conductor Number	Conductor Size	Stranding	Nominal Insulation Thickness in (mm)	Nominal Jacket Thickness in (mm)	Nominal Cable O.D. in (mm)	Ampacity ¹	Minimum Bend Diameter in (mm)	Approximate Cable Weight Lbs/Mft (Kg/Km)
029487	8	16 AWG	65/34	.021 (.53)	.048 (1.2)	.470 (11.9)	7	11.0 (279.4)	138 (206)
029488	12	16 AWG	65/34	.021 (.53)	.063 (1.6)	.550 (14.0)	7	13.0 (330.2)	198 (295)
029489	16	16 AWG	65/34	.021 (.53)	.063 (1.6)	.610 (15.5)	7	14.5 (368.3)	225 (335)
029490	24	16 AWG	65/34	.021 (.53)	.063 (1.6)	.745 (18.9)	6	18.0 (457.2)	370 (551)
029491	30	16 AWG	65/34	.021 (.53)	.063 (1.6)	.785 (19.9)	6	19.0 (482.6)	430 (641)
029492	36	16 AWG	65/34	.021 (.53)	.085 (2.2)	.885 (22.4)	6	21.0 (533.4)	550 (818)

PENDFLEX™ SR Cables (Strain Relief) with two 1/16 in (1.6 mm) galvanized steel supports

029385	8	16 AWG	65/34	.021 (.53)	.048 (1.2)	.495"x.215 (12.6"x5.4)	7	12.0 (304.8)	179 (266)
029386	12	16 AWG	65/34	.021 (.53)	.060 (1.5)	.570"x.215 (14.4"x5.4)	7	14.0 (355.6)	260 (394)
029387	16	16 AWG	65/34	.021 (.53)	.062 (1.6)	.630"x.215 (16.0"x5.4)	7	15.0 (381.0)	319 (510)
029388	24	16 AWG	65/34	.021 (.53)	.062 (1.6)	.765"x.215 (19.4"x5.4)	7	18.0 (457.2)	440 (656)
029518	30	16 AWG	65/34	.021 (.53)	.062 (1.6)	.800"x.215 (20.3"x5.4)	6	19.0 (482.6)	510 (759)
029519	36	16 AWG	65/34	.021 (.53)	.081 (2.1)	.900"x.215 (22.9"x5.4)	6	22.0 (558.8)	633 (942)

* Indicates diameter of cable.

¹ Ampacity Ampacity based on single cable in free air 30°C ambient, 90°C conductor temperature.

PENDFLEX SR is UL Listed (E60362) and CSA certified under CSA File No. LL231593.

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

PENDFLEX Color Codes

Conductor Number	Base/Stripe Color	Conductor Number	Base/Stripe Color	Conductor Number	Base/Stripe Color	Conductor Number	Base/Stripe Color
1	Green / None	10	Orange / Black	19	Red / Blue	28	Black / Yellow
2	Black / None	11	Yellow / Black	20	Orange / Blue	29	Red / Yellow
3	Red / None	12	Brown / Black	21	Yellow / Blue	30	Blue / Yellow
4	Blue / None	13	Black / Red	22	Brown / Blue	31	Orange / Yellow
5	Orange / None	14	Blue / Red	23	Black / Orange	32	Brown / Yellow
6	Yellow / None	15	Orange / Red	24	Red / Orange	33	Black / Brown
7	Brown / None	16	Yellow / Red	25	Blue / Orange	34	Red / Brown
8	Red / None	17	Brown / Red	26	Yellow / Orange	35	Blue / Brown
9	Blue / Black	18	Black / Red	27	Brown / Orange	36	Orange / Brown

