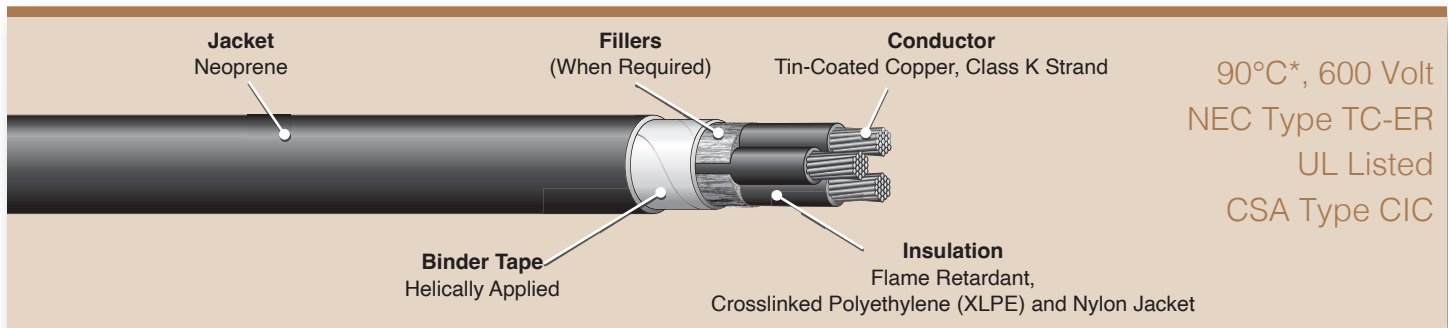


Perfect-A-Flex®

Flexible Power & Control Cable

Industrial & OEM Solutions



Features

- Thermoset insulation and jacket for enhanced thermal stability
- Superior flexibility and extended flex life
- Tin-coated copper conductors for improved terminations and corrosion resistance
- All jackets have printed sequential footage markers for improved inventory control
- Easy strippability for installation use
- Oil resistant jacket
- Sunlight/weather resistant
- RoHS compliant

Scope

Perfect-A-Flex® cables are designed with filler placement, cable lay lengths and other construction details optimized for small bend diameters and long flex life. Perfect-A-Flex® cables can be used on festooned applications, pendant drops, overhead bridge cranes, motor or spring driven reels or other industrial applications that requires flexibility.

Performance Standards

- Insulation in accordance with ICEA standard S-66-524 and UL 44 for type XHHW-2
- Jackets in accordance with ICEA standard S-19-81 for neoprene
- Cable passes IEEE 1202/FT4 Flame Test
- Single conductors pass the vertical flame tests per ICEA S-19-81 Section 6.19.6 and UL VW-1
- UL Listed Type TC-ER for cable tray installations (UL 1277)
- MSHA Approved
- CSA C22.2 No.239 Type CIC

Construction

Conductor: Annealed, tin-coated copper, Class K strand (ASTM B8, B33 & B174)

Insulation: Heat and moisture resistant, flame retardant crosslinked polyethylene

Insulation Jacket: Nylon jacket provides lubricity

Circuit Identification: ICEA Table E2, Method 1

Fillers: Flame retardant polypropylene, as required

Binder Tape: Helically applied

Jacket: Black neoprene

* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

Perfect-A-Flex®

Flexible Power & Control Cable

Part Number	Number of Conductors	Conductor Size (AWG)	Stranding Number / Size	Insulation Thickness XLPE / Nylon (inches)	Jacket Thickness (inches)	Nominal Weight (lbs / 1000ft)	Nominal Overall Diameter (inches)
PAF10/4C	4	10	105 / .010	.020 / .005	0.045	0.500	0.495
PAF10/7C	7	10	105 / .010	.020 / .005	0.060	0.680	0.675
PAF12/3C	3	12	65 / .010	.015 / .005	0.045	0.380	0.375
PAF12/4C	4	12	65 / .010	.015 / .005	0.045	0.410	0.405
PAF12/5C	5	12	65 / .010	.015 / .005	0.045	0.450	0.445
PAF12/6C	6	12	65 / .010	.015 / .005	0.045	0.490	0.485
PAF12/8C	8	12	65 / .010	.015 / .005	0.060	0.610	0.605
PAF12/10C	20	12	65 / .010	.015 / .005	0.060	0.650	0.645
PAF12/12C	12	12	65 / .010	.015 / .005	0.060	0.670	0.665
PAF12/16C	16	12	65 / .010	.015 / .005	0.060	0.740	0.735
PAF12/20C	20	12	65 / .010	.015 / .005	0.060	0.820	0.815
PAF12/24C	24	12	65 / .010	.015 / .005	0.080	0.950	0.945
PAF12/30C	30	12	65 / .010	.015 / .005	0.080	1.000	0.995
PAF12/37C	37	12	65 / .010	.015 / .005	0.080	1.130	1.125
PAF14/3C	3	14	41 / .010	.015 / .005	0.045	0.340	0.335
PAF14/4C	4	14	41 / .010	.015 / .005	0.045	0.370	0.365
PAF14/5C	5	14	41 / .010	.015 / .005	0.045	0.410	0.405
PAF14/6C	6	14	41 / .010	.015 / .005	0.045	0.440	0.435
PAF14/8C	8	14	41 / .010	.015 / .005	0.045	0.510	0.505
PAF14/12C	12	14	41 / .010	.015 / .005	0.060	0.600	0.595
PAF14/16C	16	14	41 / .010	.015 / .005	0.060	0.660	0.655
PAF14/20C	20	14	41 / .010	.015 / .005	0.060	0.730	0.725
PAF14/24C	24	14	41 / .010	.015 / .005	0.060	0.800	0.795
PAF14/30C	30	14	41 / .010	.015 / .005	0.080	0.900	0.895
PAF14/37C	37	14	41 / .010	.015 / .005	0.080	1.000	0.995
PAF16/3C	3	16	26 / .010	.015 / .005	0.045	0.310	0.305
PAF16/4C	4	16	26 / .010	.015 / .005	0.045	0.340	0.335
PAF16/6C	6	16	26 / .010	.015 / .005	0.045	0.400	0.395
PAF16/7C	7	16	26 / .010	.015 / .005	0.045	0.430	0.425
PAF16/8C	8	16	26 / .010	.015 / .005	0.045	0.460	0.455
PAF16/10C	10	16	26 / .010	.015 / .005	0.045	0.490	0.485
PAF16/12C	12	16	26 / .010	.015 / .005	0.045	0.510	0.505
PAF16/14C	14	16	26 / .010	.015 / .005	0.060	0.570	0.565
PAF16/16C	16	16	26 / .010	.015 / .005	0.060	0.600	0.595
PAF16/20C	20	16	26 / .010	.015 / .005	0.060	0.660	0.655
PAF16/21C	21	16	26 / .010	.015 / .005	0.060	0.670	0.665
PAF16/24C	24	16	26 / .010	.015 / .005	0.060	0.720	0.715
PAF16/30C	30	16	26 / .010	.015 / .005	0.060	0.760	0.755
PAF16/37C	37	16	26 / .010	.015 / .005	0.080	0.900	0.895
PAF18/3C	3	18	16 / .010	.015 / .005	0.045	0.290	0.285
PAF18/4C	4	18	16 / .010	.015 / .005	0.045	0.320	0.315
PAF18/6C	6	18	16 / .010	.015 / .005	0.045	0.370	0.365
PAF18/8C	8	18	16 / .010	.015 / .005	0.045	0.430	0.425
PAF18/12C	12	18	16 / .010	.015 / .005	0.045	0.470	0.465