ALUMINUM BUILDING WIRE AND CABLE

SINGLE CONDUCTORS

Southwire single conductor types are primarily used in conduit for branch circuits, feeders, or service entrance conductors as specified in the National Electrical Code (NEC). Voltage rating for all single conductor types is 600V. Consult the NEC for more detailed information regarding use.

SIM*pull* THHN® Aluminum THHN Wire & Cable with Alumaflex® Brand Conductors

- Suitable for use in conduit and cable trays for services, feeders, and branch circuits in commercial or industrial applications
- Type THHN, or T90 Nylon conductor is suitable for use in dry locations at temperatures not to exceed 90°C
- Type THWN or TWN75, conductor is suitable for use in wet or dry locations at temperatures not to exceed 90°C or not to exceed 75°C when exposed to oil or coolant
- Designed to be installed without application of a pulling lubricant
- Alumaflex® Brand aluminum conductors available in sizes 8 AWG and larger

SIM*pull* XHHW-2® Aluminum XHHW Wire & Cable with Alumaflex® Brand Conductors

- Suitable for use in conduit, cable tray or other recognized raceways for service, feeders, and branch circuit wiring, as specified in the National Electrical Code
- Suitable for use in Health Care Facilities per Section 517.160 of the National Electrical Code where a dielectric constant of less than 3.5 may be specified
- May be used in wet or dry locations at temperatures not to exceed 90°C
- Voltage rating for XHHW-2 conductors is 600 volts
- Designed to be installed without application of a pulling lubricant
- Available in sizes 8 AWG and larger
- As of May 21, 2023, production of our XHHW and RW90 products include dual rated print legends featuring both UL and CSA certification

Aluminum USE, RHH, RHW with Alumaflex® Brand Conductors

- Suitable for use with conduit as specified in the National Electrical Code
- When used as Type USE-2, conductors are suitable for use as underground service entrance conductors for direct burial at conductor temperatures not to exceed 90°C
- When used as RHW-2 or USE-2, conductor temperatures shall not exceed 90°C in wet or dry locations
- Available in sizes 6 AWG and larger

MULTIPLE CONDUCTOR CABLES

Southwire multiple conductor cables are recommended for use as specified in the National Electrical Code (NEC). Voltage rating for all cables is 600V. Consult the NEC for more detailed information regarding use.

Service Entrance (SE) Cable

- Southwire Type SE service entrance cable is used to convey power from the service drop to the meter base and from the meter base to the distribution panelboard—however it may be used in all applications where Type SE cable is permitted (per NEC Article 338)
- SE cable may be used in wet or dry above ground locations at temperatures not to exceed 90°C
- SE cable cannot be installed underground, even in conduit

Aluminum Mobile Home Feeder with Alumaflex® Brand Conductors
(Also suitable for separate secondary buildings)

- Southwire mobile home feeder is intended for the connection of mobile homes to a supply of electricity where permanent wiring is required
- Suitable for direct burial in earth at conductor temperatures not to exceed 90°C
- Can be used (with protection) inside buildings
- Available with aluminum Alumaflex® Brand conductors only
- Suitable for underground wiring to separate secondary buildings with sub-panels such as a separate garage, shed, pump house, etc.
- Available for larger circuits than Type UF-B cable.

Parallel Alumaflex® Brand Multi-Conductor Solutions in SIM*pull* THHN® and SIM*pull* XHHW-2® Cable
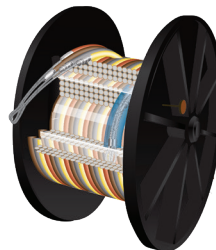
- All conductors on a single reel instead of 4 separate reels to reduce waste and maximize space
- SIM*pull* Solutions® technology on the jacket allows for easier pulling without the application of a pulling lubricant
- Available with up to 4 leg parallels
- Available in sizes 8 AWG and larger
- Customer chooses 2-4 legs and specific colors
- High Volt Colors: Brown, Orange, Yellow, Gray
- Low Volt Colors: Black, White, Red, Blue, Green
- Special Colors Available: Pink, Purple, Tan and Striped