

The Standard Process

Patented process with a six rope alternate polarity utilizing a unique, low wear point wire rope design. Providing the lowest inductive reactance and lowest impedance with the highest electrical power factor of all cables in today's market place. The positive cooling paths maximize thermal efficiency and special water passageways reduce terminal heating.



Color-Flex Cable

The Color-Flex cable jacket is made up of a specially formulated, six layer, natural rubber compound with an abrasion resistant bumper as an integral part of the jacket, making it completely durable to overcome distress and flexure.



Complex Cable

Available in both Standard and Flex-cel Process, these cables are made of specially designed rubber jacketing with ergonomics in mind, offering individually wrapped internal copper ropes with a perforated protective sleeve, which would improve water flow, decrease operating temperature and improve flexibility.



The Flex-cel Process

State-of-the-art, patent-pending process which incorporates a specially extruded ethylene propylene diene monomer rubber material covering each individual conductor rope within the cable. Then punched with symmetrical cooling channels to capture and isolate broken strands of copper wire to prevent cooling system contamination and obstructed water flow.



American Power Cable

Combined with proper dress out and a good preventative maintenance program, this cable will virtually eliminate down time. The interior construction and outer hose make this cable a hard worker and a true value.



Euro-Flex Cable

These cables have a rugged urethane outer jacket allowing for the combined advantage of safety, abrasion- resistance and long cable life into one unique design. Perforations and flow space between the wire and material create a sufficient Thermally Forced Cooling System.



Kickless Cable Selection Guide

COLOR-FLEX CABLE

Applications: Medium robotic use

Standard cable for typical robotic applications. The outside hose has a durable rubber blend outer covering which gives good support for the cable while allowing the cable to bend and twist.

AMERICAN POWER CABLE

Applications: Medium to heavy robotic use

The best solution for applications that perform many tight bends and twists. The jacket construction is the same as Color-Flex, while the interior construction is Flex-cel, giving good support and resisting abrasion. While improving flex life, cooling channels trap broken wire strands and prevent plugged water ports.

EURO-FLEX CABLE

Applications: Heavy to extreme robotic use

The best cable for high abrasion situations. This cable has all the benefits of the American Power Cable with the addition of a Polyurethane outer layer on the jacket. Euro-Flex combines all of the advantages of a reinforced rubber hose with the abrasion resistance of urethane and a durable interior creating the highest performing cable ever.

COMPLEX CABLE

Applications: Manual gun use

The cables excellent ability to bend and twist reduces the ergonomic stress on the gun operator while maintaining the safety of a reinforced rubber tube inside.



Kickless Cable Order Form

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MCM SIZE

- 30 = 300MCM
- 40 = 400MCM
- 50 = 500MCM
- 65 = 650MCM
- 80 = 800MCM

CABLE TYPE

- LC = COLOR-FLEX
- AP = AMERICAN POWER
- UR = EURO-FLEX
- CR = COMPLEX
- LH = HIGH-VOLT

TERMINAL 1

See terminal chart.

TERMINAL 2

See terminal chart.

LENGTH IN INCHES

Please specify.

OPTIONS

- E = EXO SYSTEM ON CABLE
- SR = STRAIN RELIEF (installed at Terminal 1 end) SRSR (installed at both ends)
- B = FLEX-CEL CONSTRUCTION
- SI = SPECIAL INSTRUCTIONS (ie; rotated terminals, oversized ports, etc.)

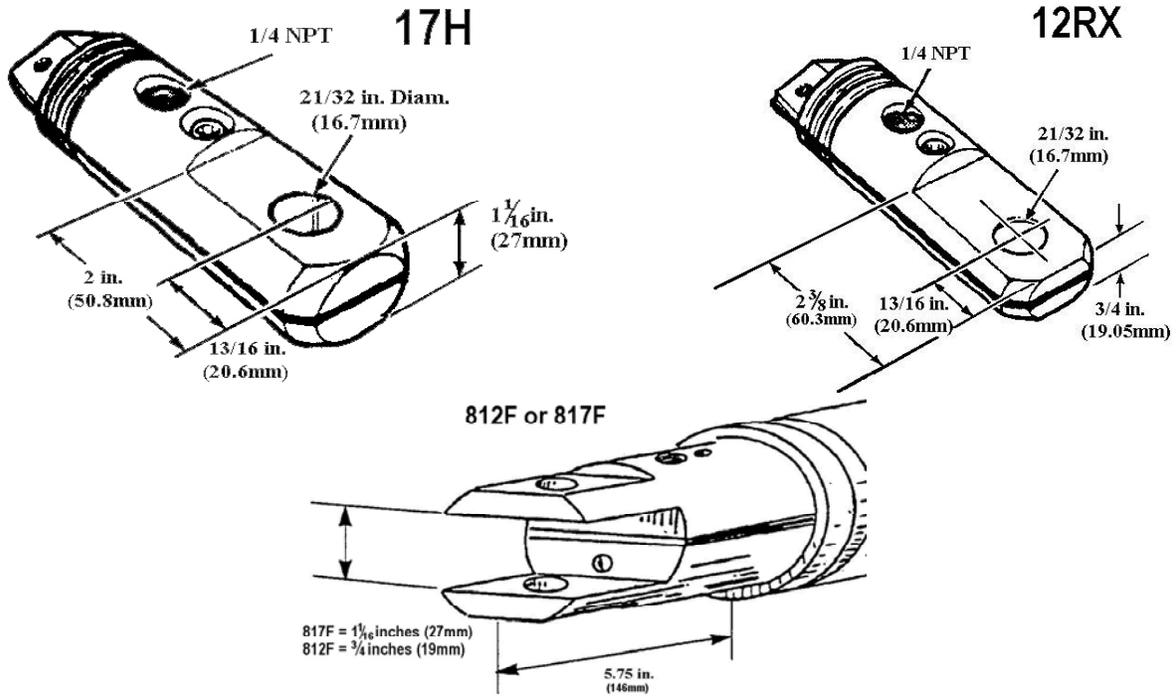
EXAMPLE:
DESCRIPTION:

**40CR017H12RX-SRSR
10FT., 400MCM, COMPLEX WITH 17H & 12RX
TERMINALS, WITH STRAIN RELIEF ON BOTH
TERMINALS**

Call, email or check out our website for technical support or questions on our products



Kickless Cable Terminal Chart



Flex-Cable offers a complete line of terminals machined from high-conductive copper bar stock. Terminals are kept in matched halves throughout production and assembly. Our exceptionally wide selection offers complete compatibility with foreign-made cables.

17HS	17HF	17HE
D21	17HAL	821F
6WHL	17H2AL	6WHS
6AHL	17G	6AHS
9L	YW4MLH	12R-2
12R5	17HL	12RL
12RF	17HX	12RI
12RXAL	17T	12XE
12XS	17HI	17B
17CE	17HS	17CS
17HC	17H	

**Custom terminals also available

