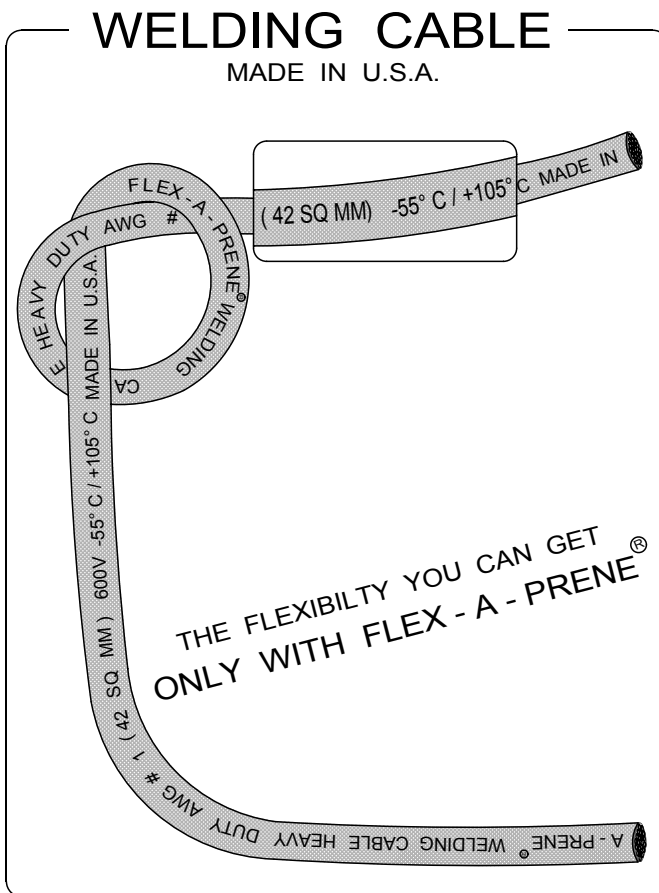
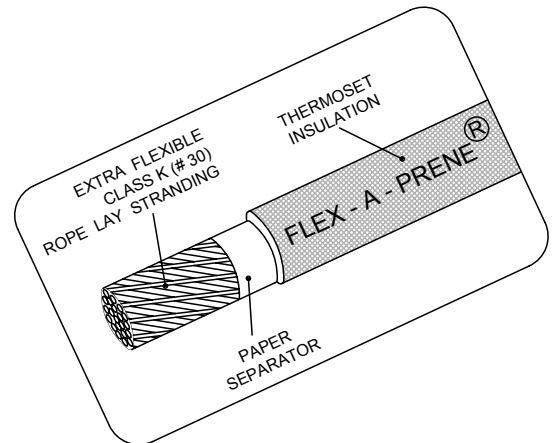




# FLEX - A - PRENE<sup>®</sup> WELDING CABLE



THE FLEXIBILITY YOU CAN GET  
ONLY WITH FLEX - A - PRENE<sup>®</sup>



## CONSTRUCTION :

- ★ **CONDUCTOR**  
BARE, ANNEALED COPPER PER ASTM B-3  
30 AWG ROPE LAY STRANDED PER ASTM B-172
- ★ **JACKET**  
THERMOSET (BLACK) EPDM
- ★ **TEMPERATURE**  
WITHSTAND -55° C TO +105° C
- ★ **VOLTAGE**  
600 VOLTS

## APPLICATION :

- ★ **FOR CONNECTION TO**  
ELECTRODE HOLDER & EARTH CLAMP  
AIR COOLED TIG TORCH  
WELDING BOX / TRANSFORMER

## CAUTION

NOT SUITABLE FOR IN-LINE VOLTAGE USE.  
IMPROPER USE COULD BE HAZARDOUS TO PERSONNEL  
AND COULD DAMAGE EQUIPMENT

## FEATURES :

- ★ EXTRA FLEXIBLE STRANDING
- ★ LONG FLEX LIFE
- ★ RESISTANT TO
  - GREASE & OIL
  - CHEMICAL & ACID
  - WEATHER & OZONE
  - ABRASION

CONDUCTOR WIRE - 30 AWG		STRAND	NOMINAL O.D. INCHES / MM	ELECTRODE SIZE *	
AWG /	mm <sup>2</sup>			MM	SWG
#4 /	21	413	0.42 / 10.7	2.0	14
#2 /	34	661	0.49 / 12.4	3.15	10
#1 /	42	840	0.51 / 13.0	3.15 - 4.0	10 - 8
1 / 0 /	54	1050	0.59 / 15.0	4.0 - 5.0	8 - 6
2 / 0 /	67	1323	0.63 / 16.0	5.0 - 6.0	6 - 4
3 / 0 /	85	1666	0.69 / 17.5	6.0	4
4 / 0 /	107	2107	0.80 / 20.3	7.0	2

30 AWG = 0.254 mm / 0.010 INCH

\* RECOMMENDED FOR 50 FEET ( 15 METRE ) LENGTH CABLE. FOR LONGER LENGTH ONE SIZE LARGER

## COPPER CONDUCTOR AWG SELECTION GUIDE

CABLE SIZE AWG / mm <sup>2</sup>	CABLE LENGTH										
	50'	75'	100'	125'	150'	175'	200'	225'	250'	300'	350'
#4 / 21	100	100									
#2 / 34	200	150	100	100							
#1 / 42	300	200	150	100	100						
1 / 0 / 54	350	250	200	150		100	100				
2 / 0 / 67	450	300	250	200	150		100	100			
3 / 0 / 85	500	400	300	250	200	150	150			100	
4 / 0 / 107	600	500	400	300	250	200	200	150	150		100

EXAMPLE : CABLE SIZE #1 ( 42 mm<sup>2</sup> ) LENGTH 50' FEET ( 15 MTR. ) CURRENT CARRYING CAPACITY 300 AMP  
( AT 100% DUTY CYCLE )