



“Taking Care of Business”

toll free: 800-929-9473

FEP INDUSTRIAL LEAD WIRE 200 DEGREES C, 600VOLTS

CONSTRUCTION:

CONDUCTOR STRANDED SOFT DRAWN TINNED COPPER.

INSULATION FLUORINATED ETHYLENE PROPYLENE (FEP) TEFLON.*

Charlotte Wire Part#	Size AWG	Conductor Diameter (in.)	Ampacity 3/C**	Ampacity 1/C***	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW04501	24	.02"	-	-	.05"	3
CW04502	22	.03"	-	-	.06"	4
CW04503	20	.04"	-	-	.07"	6
CW04504	18	.05"	-	-	.08"	9
CW04505	16	.06"	-	-	.09"	11
CW04506	14	.07"	36	54	.10"	17
CW04507	12	.10"	45	68	.12"	26
CW04508	10	.12"	60	90	.15"	39
CW04509	8	.17"	83	124	.21"	69
CW04510	6	.21"	110	165	.29"	116
CW04511	4	.26"	125	220	.35"	180
CW04512	2	.33"	171	293	.40"	265
CW04513	1	.37"	197	344	.46"	338
CW04514	1/0	.42"	229	399	.50"	410
CW04515	2/0	.47"	260	467	.57"	492
CW04516	3/0	.52"	297	546	.62"	620
CW04517	4/0	.59"	346	629	.71"	750
CW04518	250MCM	.66"	-	-	.76"	890
CW04519	350MCM	.78"	-	-	.87"	1320
CW04520	500MCM	.94"	-	-	1.06"	1750

* Teflon is a trademark of Dupont.

**Ampacity based on 200Deg C Conductor and 40Deg C Ambient temperature with not more than 3 current carrying conductors per NEC Table 310.15(B)(18).

***Ampacity based on 200Deg C Conductor and 40Deg C Ambient temperature with single conductor in free air per NEC Table 310.15(B)(19).

APPLICATION:

For use as a signal, control, or power wire in demanding industrial locations. The FEP provides versatile properties such as wide temperature range (-70Deg C to 200Deg C), exceptional heat and flame resistance, excellent chemical resistance (including oil and gasoline), excellent sun, weather, and water resistance, abrasion resistance, and excellent electrical capabilities.

OPTIONAL CONSTRUCTIONS:

Silver plated copper conductor.

UL listing as an appliance wire.

NEC rated Type FEP.

Available in various colors.