

**XLP/THERMOSET CPE JACKET TRAY CABLE  
4 CONDUCTOR WITH GROUND  
TYPE TC-ER, SUNLIGHT RESISTANT, DIRECT BURIAL  
XHHW-2 CONDUCTORS, THERMOSET CPE JKT, 600 VOLTS**

**CONSTRUCTION:**

**CONDUCTOR** CLASS B STRANDED TINNED COPPER.

**INSULATION** FLAME RETARDANT XLP (TYPE XHHW-2) PER UL 44. INSULATED CONDUCTORS RATED 90DEG C WET OR DRY.

**CONDUCTOR IDENTIFICATION** INSULATED CONDUCTORS COLOR CODED PER ICEA METHOD 4 (BLACK WITH PRINTED NUMBERS).

**ASSEMBLY** CONDUCTORS CABLED TOGETHER WITH A STRANDED COPPER GROUND WIRE IN ONE OF THE INTERSTICES, SUITABLE FILLERS FOR ROUNDNESS WHERE NEEDED, AND CABLE TAPE.

**OVERALL JACKET** SUNLIGHT RESISTANT, FLAME RESISTANT BLACK THERMOSET CPE WHICH PROTECTS AGAINST HEAT, FLAME, CHEMICALS, MOISTURE, AND MECHANICAL DAMAGE (THIS IS A REPLACEMENT FOR HYPALON, WHICH IS NO LONGER MANUFACTURED).

Charlotte Wire Part#	Size AWG	No. of C'drs	Number of Strands	Insulation Thickness (in.)	Jacket Thickness (in.)	Ground Wire Size	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW02783	8	4	7	.045"	.060"	10	.73"	408
CW02784	6	4	7	.045"	.060"	8	.81"	590
CW02785	4	4	7	.045"	.080"	8	.97"	850
CW02786	2	4	7	.045"	.080"	6	1.12"	1252
CW02787	1	4	19	.055"	.080"	6	1.28"	1580
CW02788	1/0	4	19	.055"	.080"	6	1.38"	1870
CW02789	2/0	4	19	.055"	.080"	6	1.47"	2260
CW02790	3/0	4	19	.055"	.080"	4	1.61"	2850
CW02791	4/0	4	19	.055"	.110"	4	1.80"	3500
CW02792	250MCM	4	37	.065"	.110"	4	1.95"	4160
CW02793	350MCM	4	37	.065"	.110"	3	2.21"	5595
CW02794	500MCM	4	37	.065"	.110"	2	2.52"	7690
CW02795	750MCM	4	61	.080"	.140"	1	3.12"	11600

**APPLICATION:**

Power circuits rated 600Volts in power plants and heavy industrial locations where flame resistance, stability in heat, physical durability, and excellent reliability is needed. May be used as sunlight resistant, directly buried, and wet or dry locations. Per NEC Articles 336 and 392, approved for installation in  
1) raceways and cable tray systems including ladders, troughs, channels, solid bottom trays, and other similar structures,  
2) aerial locations where supported by a messenger wire, and  
3) hazardous locations per NEC Article 501 Class 1 Division 2.

**STANDARDS:**

UL 1277 for Type TC Cables.  
Passes UL and IEEE383 70,000 BTU flame test.  
UL Standard 44 for XHHW-2 Conductors.  
ICEA S-95-658/NEMA WC70 for Nonshielded 0-2kv Cables.  
NEC Articles 336 & 392 for Tray Cable uses and constructions.  
TC-ER rated cables comply with crush and impact requirements of MC cable.