Charlotte™ Wire & Cable Company Inc.

"Taking Care of Business"

toll free: 800-929-9473

XLP/CPE TRAY CABLE 3 CONDUCTOR W/ GROUND

TYPE TC-ER SUNLIGHT RESISTANT, DIRECT BURIAL XHHW-2 CONDUCTORS, CPE JACKET, 600VOLTS

CONSTRUCTION:

CONDUCTOR CLASS B STRANDED TINNED COPPER.

INSULATION THERMOSETTING XLP (TYPE XHHW-2) PER UL 44. INSULATED CONDUCTORS RATED 90DEGREES C WET OR DRY.

CONDUCTOR IDENTIFICATION INSULATED CONDUCTORS ARE COLOR CODED PER ICEA METHOD 4 (BLACK WITH PRINTED NUMBERS) ON #8 AND LARGER. SIZES #12 AND #10AWG COLOR CODED PER ICEA METHOD 1 TABLE E-2, WHICH IS BLACK-RED-BLUE.

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 CPE PER UL 1277, WHICH PROTECTS AGAINST HEAT, FLAME, CHEMICALS, MOISTURE, AND MECHANICAL DAMAGE.

Charlotte Wire Part#	Size AWG	No. of C'drs	Number of Strands	Insulation Thickness (in.)	Jacket Thickness (in.)	Gnd Wire AWG	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW02862	12	3	7	.030"	.045"	12	.43"	149
CW02863	10	3	7	.030"	.045"	10	.49"	208
CW02864	8	3	7	.045"	.060"	10	.68"	332
CW02865	6	3	7	.045"	.060"	8	.76"	460
CW02866	4	3	7	.045"	.080"	8	.88"	686
CW02867	2	3	7	.045"	.080"	6	1.02"	1015
CW02868	1	3	19	.055"	.080"	6	1.16"	1275
CW02869	1/0	3	19	.055"	.080"	6	1.23"	1490
CW02870	2/0	3	19	.055"	.080"	6	1.33"	1770
CW02871	3/0	3	19	.055"	.080"	4	1.45"	2260
CW02872	4/0	3	19	.055"	.080"	4	1.57"	2650
CW02873	250MCM	3	37	.065"	.110"	4	1.76"	3230
CW02874	350MCM	3	37	.065"	.110"	3	2.00"	4320
CW02875	500MCM	3	37	.065"	.110"	2	2.28"	6080
CW02876	750MCM	3	61	.080"	.110"	1	2.84"	8990
CW02877	1000MCM	3	61	.080'	.140"	1/0	3.20"	11700

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 and ICEA 210,000BTU 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.