

## FREP/CPE TRAY CABLE 4 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 FLAME-RETARDANT ETHYLENE PROPYLENE RUBBER TYPE XHHW-2 PER UL 44. INSULATED CONDUCTORS RATED 90DEGREES 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 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 Size*	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW02676	8	4	7	.045"	.060"	10	.73"	408
CW02677	6	4	7	.045"	.060"	8	.81"	590
CW02678	4	4	7	.045"	.080"	8	.97"	850
CW02679	2	4	7	.045"	.080"	6	1.12"	1252
CW02680	1	4	19	.055"	.080"	6	1.28"	1580
CW02681	1/0	4	19	.055"	.080"	6	1.38"	1870
CW02682	2/0	4	19	.055"	.080"	6	1.47"	2260
CW02683	3/0	4	19	.055"	.080"	4	1.61"	2850
CW02684	4/0	4	19	.055"	.110"	4	1.80"	3500
CW02685	250MCM	4	37	.065"	.110"	4	1.95"	4160
CW02686	350MCM	4	37	.065"	.110"	3	2.21"	5595
CW02687	500MCM	4	37	.065"	.110"	2	2.52"	7690
CW02688	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 Art.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 Rubber Insulated Wire & Cable (XHHW2).

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.