

XLP/THERMOSET CPE JACKET TRAY CABLE - 10AWG TYPE TC-ER, SUNLIGHT RESISTANT, DIRECT BURIAL XHHW-2 CONDUCTORS, THERMOSET CPE JKT, 600VOLTS

CONSTRUCTION:

CONDUCTOR 7 STRANDED TINNED ANNEALED 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 1 TABLE E-2*.

ASSEMBLY CONDUCTORS ARE CABLED TOGETHER WITH A SUITABLE TAPE SEPARATOR AS NEEDED.

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	Number of Conductors	Insulation Thickness (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft.)
CW02741**	10	2	.030"	.045"	.29"x.47"	125
CW02742	10	3	.030"	.045"	.49"	183
CW02743	10	4	.030"	.060"	.57"	245
CW02744	10	5	.030"	.060"	.62"	306
CW02745	10	7	.030"	.060"	.67"	380
CW02746	10	9	.030"	.060"	.80"	495
CW02747	10	12	.030"	.080"	.94"	675
CW02748	10	15	.030"	.080"	1.02"	800
CW02749	10	19	.030"	.080"	1.08"	980
CW02750	10	25	.030"	.080"	1.26"	1270
CW02751	10	37	.030"	.080"	1.44"	1915

* To specify ICEA Method 1 Table E-1, add suffix "M1" to Charlotte Wire part number.

**2/c is flat construction and TC only. TC-ER rating applies to 3 conductors or more.

APPLICATION:

Suitable for control, signal, or lighting 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) lighting, control, and signal circuits,
- 3) aerial locations where supported by a messenger wire,
- 4) hazardous locations per NEC Article 501 Class 1 Division 2, and
- 5) Class 1 circuits as permitted in NEC Article 725.

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.