

XLP/THERMOSET CPE JACKET TRAY CABLE - 12AWG 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.)
CW02718**	12	2	.030"	.045"	.26"x.42"	89
CW02719	12	3	.030"	.045"	.44"	142
CW02720	12	4	.030"	.045"	.48"	179
CW02721	12	5	.030"	.045"	.54"	225
CW02722	12	7	.030"	.060"	.61"	280
CW02723	12	9	.030"	.060"	.71"	350
CW02724	12	12	.030"	.060"	.80"	445
CW02725	12	15	.030"	.080"	.89"	565
CW02726	12	19	.030"	.080"	.96"	730
CW02727	12	25	.030"	.080"	1.12"	920
CW02728	12	30	.030"	.080"	1.20"	1076
CW02729	12	37	.030"	.080"	1.29"	1325

* 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.