Charlotte™ Wire & Cable Company Inc.
"Taking Care of Business"
toll free: 800-929-9473

XLP/THERMOSET CPE JACKET TRAY CABLE - 14AWG
TYPE TC-ER, SUNLIGHT RESISTANT, DIRECT BURIAL
XHHX-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.)
CW02701**	14	2	.030"	.045"	.25"x.38"	74
CW02702	14	3	.030"	.045"	.40"	108
CW02703	14	4	.030"	.045"	.44"	125
CW02704	14	5	.030"	.045"	.48"	160
CW02705	14	7	.030"	.045"	.52"	190
CW02706	14	9	.030"	.060"	.63"	259
CW02707	14	12	.030"	.060"	.72"	319
CW02708	14	15	.030"	.060"	.77"	412
CW02709	14	19	.030"	.060"	.82"	540
CW02710	14	25	.030"	.080"	1.00"	680
CW02711	14	30	.030"	.080"	1.08"	795
CW02712	14	37	.030"	.080"	1.14"	942

* 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.