

XLP/PVC TRAY CABLE - #12AWG

TYPE TC-ER SUNLIGHT RESISTANT, DIRECT BURIAL

XHHW-2 CONDUCTORS, PVC JACKET, 600VOLTS

CONSTRUCTION:

CONDUCTOR CLASS B STRANDED BARE COPPER PER ASTM B-3.

INSULATION FLAME-RETARDANT CROSSLINKED POLYETHYLENE (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 RETARDANT, BLACK PVC PER UL 1277, WHICH PROTECTS AGAINST HEAT, FLAME, CHEMICALS, MOISTURE, AND MECHANICAL DAMAGE.

Charlotte Wire Part#	Size AWG	Number of Conductors	Insulation Thickness (in.)	Jacket Thickness (in.)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft.)
CW02491*	12	2	.030"	.045"	*.25"x.40"	97
CW02492	12	3	.030"	.045"	.44"	130
CW02493	12	4	.030"	.045"	.48"	165
CW02494	12	5	.030"	.045"	.55"	204
CW02495	12	7	.030"	.060"	.61"	282
CW02496	12	9	.030"	.060"	.71"	356
CW02497	12	10	.030"	.060"	.77"	380
CW02498	12	12	.030"	.060"	.80"	450
CW02499	12	15	.030"	.060"	.88"	546
CW02505	12	16	.030"	.060"	.92"	580
CW02500	12	19	.030"	.080"	.96"	670
CW02501	12	20	.030"	.080"	1.01"	710
CW02502	12	25	.030"	.080"	1.12"	863
CW02503	12	30	.030"	.080"	1.20"	1024
CW02504	12	37	.030"	.080"	1.29"	1310

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

APPLICATION:

Control, signal, or lighting circuits rated 600Volts where a high temperature, low dielectric loss insulation 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 Standard 1277 for Type TC Cables.
 Passes UL and IEEE383 70,000BTU 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.