

XLP/PVC TRAY CABLE 4 CONDUCTOR W/GND 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. CONDUCTORS RATED 90DEG C WET OR DRY.

CONDUCTOR IDENTIFICATION INSULATED CONDUCTORS COLOR CODED PER ICEA METHOD 4 (BLACK WITH PRINTED NUMBERS) ON #8 AND LARGER. SIZES #14-10AWG COLOR CODED PER ICEA METHOD 1 TABLE E-2, WHICH IS BLACK-RED-BLUE-ORANGE.

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 RETARDANT BLACK PVC PER UL1277, WHICH PROTECTS AGAINST HEAT, FLAME, CHEMICALS, MOISTURE, AND MECHANICAL DAMAGE.

Charlotte Wire Part#	Size AWG	Number of Conductors	Insulation Thickness (in.)	Jacket Thickness (in.)	Ground Wire Size (AWG)	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW02558	14	4	.030"	.045"	14	.45"	137
CW02559	12	4	.030"	.045"	12	.49"	168
CW02560	10	4	.030"	.060"	10	.58"	255
CW02561	8	4	.045"	.060"	10	.73"	410
CW02562	6	4	.045"	.060"	8	.81"	585
CW02563	4	4	.045"	.080"	8	.97"	858
CW02564	2	4	.045"	.080"	6	1.12"	1270
CW02565	1	4	.055"	.080"	6	1.28"	1590
CW02566	1/0	4	.055"	.080"	6	1.38"	1892
CW02567	2/0	4	.055"	.080"	6	1.47"	2282
CW02568	3/0	4	.055"	.080"	4	1.61"	2860
CW02569	4/0	4	.055"	.110"	4	1.80"	3530
CW02570	250MCM	4	.065"	.110"	4	1.95"	4185
CW02576	300MCM	4	.065"	.110"	3	2.10"	4880
CW02571	350MCM	4	.065"	.110"	3	2.21"	5620
CW02572	500MCM	4	.065"	.110"	2	2.52"	7750
CW02573	600MCM	4	.080"	.140"	2	2.85"	10380
CW02574	750MCM	4	.080"	.140"	1	3.12"	12200
CW02575	1000MCM	4	.080"	.140"	1/0	3.50"	16880

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 Article 501 Class 1 Division 2.

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.