Charlotte™ Wire & Cable Company Inc.

"Taking Care of Business"

toll free: 800-929-9473

XLP/THERMOSET CPE JACKET TRAY CABLE

3 CONDUCTOR WITH GROUND

TYPE TC-ER, SUNLIGHT RESISTANT, DIRECT BURIAL

XHHW-2 CONDUCTORS, THERMOSET CPE JKT, 600VOLTS

CONSTRUCTION:

CONDUCTOR CLASS B STRANDED TINNED 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 4 (BLACK WITH PRINTED NUMBERS). SIZES 12 AND 10AWG COLOR CODED PER ICEA METHOD 1 TABLE E-2, WHICH IS BLACK-RED-BLUE.

ASSEMBLY CONDUCTORS CABLED TOGETHER WITH ASTRANDED COPPER GROUND WIRE IN ONE OF THE INTERSTICES, SUITABLE FILLERS FOR ROUNDNESS WHERE NEEDED, AND CABLE TAPE.

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	No. of C'drs	Number of Strands	Insulation Thickness (in.)	Jacket Thickness (in.)	Gnd Wire AWG	Overall Diameter (in.)	Approx. Net Wt. (Lbs/Mft)
CW02761	12	3	7	.030"	.045"	12	.43"	155
CW02762	10	3	7	.030"	.045"	10	.49"	225
CW02763	8	3	7	.045"	.060"	10	.68"	348
CW02764	6	3	7	.045"	.060"	8	.76"	475
CW02765	4	3	7	.045"	.080"	8	.88"	700
CW02766	2	3	7	.045"	.080"	6	1.02"	1030
CW02767	1	3	19	.055"	.080"	6	1.16"	1275
CW02768	1/0	3	19	.055"	.080"	6	1.23"	1520
CW02769	2/0	3	19	.055"	.080"	6	1.33"	1860
CW02770	3/0	3	19	.055"	.080"	4	1.45"	2290
CW02771	4/0	3	19	.055"	.080"	4	1.57"	2740
CW02772	250MCM	3	37	.065"	.110"	4	1.76"	3340
CW02773	350MCM	3	37	.065"	.110"	3	2.00"	4550
CW02774	500MCM	3	37	.065"	.110"	2	2.28"	6210
CW02775	750MCM	3	61	.080"	.110"	1	2.84"	9050

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 Art.501 Class 1 Division 2.

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.