



**600V ROUND PUMP CABLE
 3 CONDUCTOR
 WITH GROUND UNSHIELDED
 TYPE TC-ER**



INSULATION: EPR Ethylene Propylene Rubber

JACKET: Chlorinated Polyethylene

SIZES: 3 AWG - 500 MCM

90°C DRY, 90°C WET



1.0 APPLICATIONS:

1.1 Round pump cable Type TC-ER suitable for use in free air, raceways or direct burials in wet or dry locations. Permitted for use in Class 1, Division 2 industrial hazardous locations per NEC.

2.0 CONSTRUCTION:

2.1 Conductors:

Class B stranding per ASTM B8. Tinned annealed copper per ASTM B33.

2.2 Insulation:

Flame retardant Ethylene Propylene Rubber (EPR) Type II. Color coded per ICEA Method 4; individual conductors colored black with conductor number surface printed in contrasting ink.

2.3 Ground Conductor:

Uninsulated tinned annealed copper per ASTM B33. Class B stranding per ASTM B8.

2.4 Jacket:

Lead-free, flame-retardant thermoplastic Chlorinated Polyethylene (CPE)

2.5 Surface Markings:

The overall jacket will have the following information printed:
 TYPE TC-ER XHHW-3 CDRS GRND
 90°C WET OR DRY 600V DIR BUR
 SUN RES DAY/MONTH/YEAR OF
 MFG SEQUENTIAL FOOTAGE MARK.

3.0 FEATURES:

- 3.1** Rated at 90°C wet or dry
- 3.2** Ripcord applied to all cables with jacket thickness of 60 mils or less
- 3.3** Excellent physical, thermal & electrical properties
- 3.4** Excellent moisture resistance
- 3.5** Excellent resistance to crush, compression cuts and heat deformation
- 3.6** Excellent low temperature cold band characteristics
- 3.7** Excellent flame resistance – burns to ash; does not exhibit thermoplastic drip
- 3.8** Low coefficient of friction for easy pulling
Sunlight and weather resistant
- 3.9** Meets cold band test at -40°C

4.0 COMPLIANCES:

Industry Compliances:

- UL 44 Type XHHWQ-2
- UL 1277 Type TC-ER
- UL 1581
- ICEA S-95-658/NEMA WC70

Flame Test Compliances:

- UL 1581/UL 2556 VW-1
- IEEE 383
- IEEE 1202
- CSA FT4
- ICEA T-29-520

5.0 DIMENSIONS:

Paige Part #	No. of Insulated Conductors	Conductor Size	Ground Wire Size	Conductor Strand	Insulation Thickness		Jacket Thickness		Cable O.D.		Copper Weight (LB/MFT*)	Cable Weight (LB/MFT*)
		AWG	AWG		inches	mm	inches	mm	inches	mm		
325700	3	3/0	4	19/.0745	0.055	1.40	0.080	2.03	1.420	36.07	1717	2176
325110	3	4/0	4	19/.1055	0.055	1.40	0.080	2.03	1.540	39.12	2130	2614
300780	3	250 MCM	4	37/.0822	0.065	1.65	0.110	2.79	1.760	44.70	2494	3184
325120	3	350 MCM	3	37/.0973	0.065	1.65	0.110	2.79	1.960	49.78	3474	4187
298020	3	500 MCM	2	37/.1162	0.065	1.65	0.110	2.79	2.245	57.023	4934	5847