

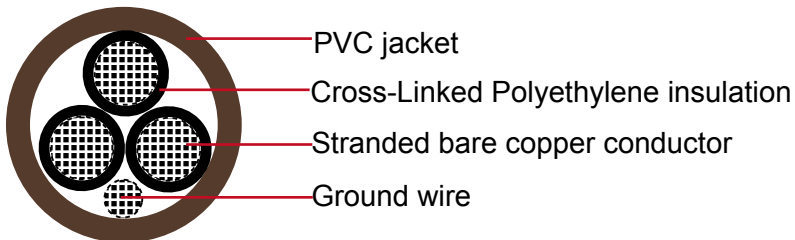


XHHW/PVC, 3-core, Type TC Power Cable

Applications:

XHHW/PVC, type TC Power Cable is used to supply power to motors, or for connection to other power devices in industrial settings. Primary installations include cable trays, raceways, and outdoor locations where supported by a messenger wire. Type TC Power Cable is listed for direct burial or in underground ducts and for use in Class 1, Division 2 hazardous locations and Class 1 control circuits. This cable may be used in wet and dry locations at temperatures not to exceed 90°C.

Construction:



Conductor:

Stranded bare annealed copper
(Type XHHW-2)

Insulation: Flame-retardant and moisture resistant Cross-Linked Polyethylene (FRXLPE)

Ground Wire: bare annealed copper (Type XHHW-2)

Jacket: Flame retardant, moisture and sunlight resistant PVC (LSOH is available upon request)

Color: upon request, black is preferable

Compliances:

- ▶ UL 44 -Thermoset-Insulated Wires and Cables
- ▶ UL 1277 - Electrical Power and Control Tray Cables
- ▶ UL 1581 - Flame Exposure Test (VW-1)
- ▶ ICEA S-58-679 Method 4
- ▶ UL 1685 - Flame Exposure Test
- ▶ ICEA T-29-520 - Vertical Cable Tray Flame Test
- ▶ IEEE 383 (IEEE 1202/FT4) - Flame Test
- ▶ ICEA S-95-658 (NEMA WC 70) construction requirements



Parameters:

AWG or kcmil	Strand	Ground Wire Size AWG	Nominal jacket Thickness Inch/mm		Nominal Overall Diameter Inch/mm		Cable Weight Lbs/kft kg/km	
8	7	10	0.060	1.52	0.681	17.30	330	491
6	7	8	0.060	1.52	0.766	19.46	468	697
4	7	8	0.060	1.52	0.797	20.24	606	901
2	7	6	0.080	2.03	0.96	24.38	954	1420
1	19	6	0.080	2.03	1.1	27.94	1173	1746
1/0	19	6	0.080	2.03	1.186	30.12	1421	2115
2/0	19	6	0.080	2.03	1.279	32.49	1704	2536
3/0	19	4	0.080	2.03	1.385	35.18	2135	3177
4/0	19	4	0.080	2.03	1.506	38.25	2580	3839
250	37	4	0.080	2.03	1.653	41.99	3021	4496
300	37	3	0.110	2.79	1.827	46.41	3684	5481
350	37	3	0.110	2.79	1.935	49.15	4219	6277
400	37	3	0.110	2.79	2.032	51.61	4747	7064
500	37	2	0.110	2.79	2.214	56.24	5755	8564
750	61	1	0.110	2.79	2.663	67.64	8543	12711