



Detail Description or Construction

Conductor

Compressed or Compacted copper conductor class B

Insulation

Polyethylene (PE) 75°C

Jacket

Extruded black sunlight resistant, self-extinguishing, oils resistant PVC jacket with excellent mechanical properties

Packaging

Non-returnable wooden drums

Options

- CT USE applications
- Lineal low density Polyethylene jacket
- (LLDPE) jacket

Application

Primary power and distribution circuits in industrial, commercial and power circuit generating plants.

Single conductors cables, 1/0 AWG and larger, can be marked for CT Use to be installed in ladder cable tray, according NEC Article 318.

Standards / Testing Specifications

- TTU 75 meets or exceeds the requirements of ICEA S-95-658 and COVENIN 541.

Marking

PHELPS DODGE TTU SIZE
PE - PVC 75°C 600 V.

Installation

TTU 75 cables may be installed in wet or dry locations at maximum operating temperature of 75°C for normal operation; 90°C for emergency and 150°C for short circuit conditions. Cables may be installed indoor and outdoor, exposed to sunlight, in raceway, conduit, duct or aerially supported by a messenger and directly buried according NEC 250-51.



TTU 75

600V Single Copper Conductor, PE Insulation and Outer PVC Jacket

Conductor Size	Nominal Area	Minimum Number of Wires	Insulation Thickness	Jacket Thickness	Total O. D	Minimum Bending Radii	Total Weight	Ampacity Buried Duct @ 20°C	Direct Buried @ 20°C	Free Air @ 40°C	Standard Package
AWG / MCM	mm ²		mm	mm	mm	mm	Kg / Km	A	A	A	m
14	2.08	7	0.76	0.38	4.4	18	34	23	35		100
12	3.31	7	0.76	0.38	4.9	20	47	31	51		100
10	5.26	7	0.76	0.38	5.6	23	69	42	66		100
8	8.37	7	1.14	0.38	6.9	30	107	57	82	55	100
6	13.3	7	1.14	0.76	8.5	177	173	75	105	74	100
4	21.2	7	1.14	0.76	9.8	261	255	98	136	98	1000
2	33.6	7	1.14	0.76	11.2	392	381	129	175	132	1000
1	42.4	19	1.40	1.14	14.0	513	518	149	198	155	1000
1/0	53.5	19	1.40	1.14	15.0	629	633	171	226	179	1000
2/0	67.4	19	1.40	1.14	16.2	774	777	195	256	207	1000
3/0	85.0	19	1.40	1.14	17.5	956	955	223	292	240	1000
4/0	107	19	1.40	1.14	19.0	1,184	1,177	257	331	280	1000
250	127	37	1.65	1.65	21.0	1,395	1,405	283	362	313	500
350	177	37	1.65	1.65	23.6	1,961	1,897	343	434	388	500
500	253	37	1.165	1.65	27.0	2,735	2,665	417	525	485	500
750	380	61	2.03	1.65	33.5	4,041	4,012	519	642	625	500
1000	507	61	2.03	1.65	37.4	5,300	5,253	594	731	735	500

Note: Data shown is approximated and subject to normal manufacturing tolerances.
Color: Black