Application :

For general purpose power distribution in wet or dry locations, installed in air, in conduit or duct, or directly buried.

Features :

Provides excellent thermal physical properties outstanding resistance to moisture and chemical.

Testing voltage :

3,500 V

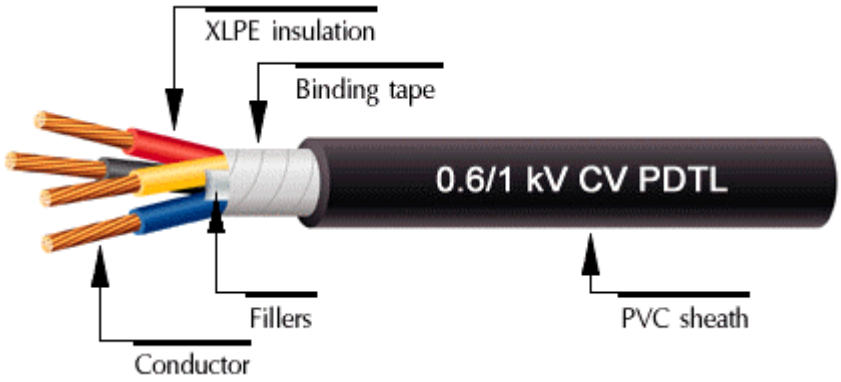
Max. Conductor Temperature :

90° C (Normal Operation)

Reference standard :

IEC 60502-1

PHELPS DODGE CONDUCTOR TYPE CV
0.6 / 1 kV XLPE INSULATED PVC SHEATHED POWER CABLE FOUR CONDUCTORS



Construction :

Conductor	:	Solid or stranded copper
Insulation	:	Cross-linked polyethylene
Circuit Identification	:	The insulation shall be red, yellow, blue, black
Filler	:	Polypropylene filament
Core-covering	:	Binding tape
Sheath	:	Polyvinyl chloride (Black)

Nominal sectional area mm²	Number of wire	Diameter of Conductor (approx.) mm	Thickness Of Insulation mm	Thickness of Sheath mm	Overall Diameter (approx.) mm	Cable weight (approx.) kg/km	Maximum DC. Resistance of Cdr. at 20°C Ω/km	Minimum insulation resistance at 20°C MΩ - km	Allowable direct burial at 25°C ground temp. A RHO 120	Ampacities in free air at 40°C ambient A	Standard packing m
1.5	1	1.38	0.70	1.80	13.0	157	12.1	850	28	22	500/R
1.5	7	1.56	0.70	1.80	13.0	164	12.1	850	28	22	500/R
2.5	1	1.78	0.70	1.80	14.0	207	7.41	700	38	29	500/R
2.5	7	2.01	0.70	1.80	15.0	216	7.41	700	38	29	500/R
4	1	2.25	0.70	1.80	15.0	278	4.61	580	50	38	500/R
4	7	2.55	0.70	1.80	16.0	290	4.61	580	50	38	500/R
6	7	3.12	0.70	1.80	17.0	384	3.08	490	63	48	500/R
10	7	3.71	0.70	1.80	19.0	530	1.83	425	84	66	500/R
16	7	4.66	0.70	1.80	21.0	771	1.15	350	109	88	500/R
25	7	5.86	0.90	1.80	25.0	1,170	0.727	355	142	119	500/R
35	7	6.90	0.90	1.80	28.0	1,554	0.524	305	171	147	500/R
50	7	7.95	1.00	1.90	31.0	2,063	0.387	285	202	177	500/R
70	18	9.70	1.10	2.10	36.0	2,964	0.268	270	247	224	300/R
95	18	11.40	1.10	2.20	41.0	4,009	0.193	235	296	275	300/R
120	18	12.90	1.20	2.30	45.0	5,016	0.153	225	337	320	300/R
150	34	14.45	1.40	2.50	50.0	6,206	0.124	240	377	366	300/R
185	34	15.95	1.60	2.70	55.0	7,731	0.0991	240	425	422	300/R
240	34	18.40	1.70	2.90	62.0	10,058	0.0754	225	489	497	300/R
300	55	20.75	1.80	3.10	68.0	12,553	0.0601	210	548	568	300/R
400	55	23.40	2.00	3.40	76.0	15,984	0.0470	200	618	658	300/R
500	55	26.61	2.20	3.70	86.0	20,433	0.0366	200	703	748	300/R
630	55	29.95	2.40	4.00	95.0	26,256	0.0283	200	791	843	300/R

R = Packing in reel

Application :

For general purpose power distribution in wet or dry locations, installed in air, in conduit or duct, or directly buried.

Features :

Provides excellent thermal physical properties outstanding resistance to moisture and chemical.

Testing voltage :

3,500 V

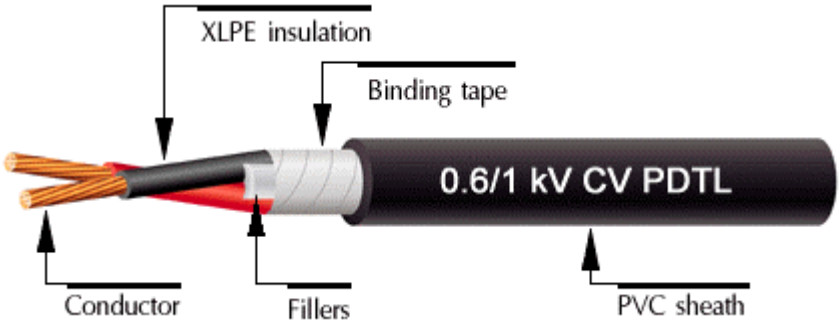
Max. Conductor Temperature :

90° C (Normal Operation)

Reference standard :

IEC 60502-1

PHELPS DODGE CONDUCTOR TYPE CV
0.6 / 1 kV XLPE INSULATED PVC SHEATHED POWER CABLE TWO CONDUCTORS



Construction :

Conductor	:	Solid or stranded copper
Insulation	:	Cross-linked polyethylene
Circuit Identification	:	The insulation shall be red, black
Filler	:	Polypropylene filament
Core-covering	:	Binding tape
Sheath	:	Polyvinyl chloride (Black)

Nominal sectional area mm²	Number of wire	Diameter of Conductor (approx.) mm	Thickness Of Insulation mm	Thickness of Sheath mm	Overall Diameter (approx.) mm	Cable weight (approx.) kg/km	Maximum DC. Resistance of Cdr. at 20°C Ω/km	Minimum insulation resistance at 20°C MΩ - km	Allowable direct burial at 25°C ground temp. A RHO 120	Ampacities in free air at 40°C ambient A	Standard packing m
1.5	1	1.38	0.70	1.80	12.0	99	12.1	850	29	27	500/R
1.5	7	1.56	0.70	1.80	12.0	116	12.1	850	29	27	500/R
2.5	1	1.78	0.70	1.80	13.0	140	7.41	700	43	32	500/R
2.5	7	2.01	0.70	1.80	13.0	146	7.41	700	43	32	500/R
4	1	2.25	0.70	1.80	14.0	180	4.61	580	56	42	500/R
4	7	2.55	0.70	1.80	14.0	189	4.61	580	56	42	500/R
6	7	3.12	0.70	1.80	15.0	242	3.08	490	69	56	500/R
10	7	3.71	0.70	1.80	17.0	321	1.83	425	91	75	500/R
16	7	4.66	0.70	1.80	18.0	452	1.15	350	116	98	500/R
25	7	5.86	0.90	1.80	22.0	671	0.727	355	149	131	500/R
35	7	6.90	0.90	1.80	24.0	876	0.524	305	186	156	500/R
50	7	7.95	1.00	1.80	26.0	1,142	0.387	285	216	198	500/R
70	18	9.70	1.10	1.90	31.0	1,.612	0.268	270	250	240	500/R
95	18	11.40	1.10	2.00	35.0	2,180	0.193	235	297	289	500/R
120	18	12.90	1.20	2.10	38.0	2,719	0.153	225	345	340	500/R
150	34	14.45	1.40	2.20	42.0	3,350	0.124	240	375	380	500/R
185	34	15.95	1.60	2.40	47.0	4,168	0.0991	240	430	490	300/R
240	34	18.40	1.70	2.60	52.0	5,412	0.0754	225	525	546	300/R
300	55	20.75	1.80	2.70	58.0	6,722	0.0601	210	595	630	300/R
400	55	23.40	2.00	3.00	64.0	8,557	0.0470	200	680	780	300/R
500	55	26.61	2.20	3.20	72.0	10,903	0.0366	200	780	969	300/R
630	55	29.95	2.40	3.50	80.0	13,987	0.0283	200	870	1,070	300/R

R = Packing in reel

Application :

For general purpose power distribution in wet or dry locations, installed in air, in conduit or duct, or directly buried.

Features :

Provides excellent thermal physical properties outstanding resistance to moisture and chemical.

Testing voltage :

3,500 V

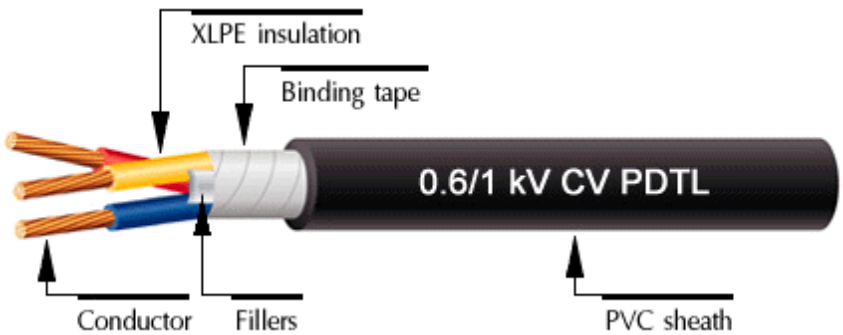
Max. Conductor Temperature :

90° C (Normal Operation)

Reference standard :

IEC 60502-1

PHELPS DODGE CONDUCTOR TYPE CV
0.6 / 1 kV XLPE INSULATED PVC SHEATHED POWER CABLE THREE CONDUCTORS



Construction :

Conductor	:	Solid or stranded copper
Insulation	:	Cross-linked polyethylene
Circuit Identification	:	The insulation shall be red, yellow, blue
Filler	:	Polypropylene filament
Core-covering	:	Binding tape
Sheath	:	Polyvinyl chloride (Black)

Nominal sectional area mm²	Number of wire	Diameter of Conductor (approx.) mm	Thickness Of Insulation mm	Thickness of Sheath mm	Overall Diameter (approx.) mm	Cable weight (approx.) kg/km	Maximum DC. Resistance of Cdr. at 20°C Ω/km	Minimum insulation resistance at 20°C MΩ - km	Allowable direct burial at 25°C ground temp. A RHO 120	Ampacities in free air at 40°C ambient A	Standard packing m
1.5	1	1.38	0.70	1.80	12.0	133	12.1	850	28	22	500/R
1.5	7	1.56	0.70	1.80	13.0	138	12.1	850	28	22	500/R
2.5	1	1.78	0.70	1.80	13.0	171	7.41	700	38	29	500/R
2.5	7	2.01	0.70	1.80	14.0	179	7.41	700	38	29	500/R
4	1	2.25	0.70	1.80	14.0	226	4.61	580	50	38	500/R
4	7	2.55	0.70	1.80	15.0	236	4.61	580	50	38	500/R
6	7	3.12	0.70	1.80	16.0	309	3.08	490	63	48	500/R
10	7	3.71	0.70	1.80	17.0	421	1.83	425	84	66	500/R
16	7	4.66	0.70	1.80	19.0	605	1.15	350	109	88	500/R
25	7	5.86	0.90	1.80	23.0	911	0.727	355	142	119	500/R
35	7	6.90	0.90	1.80	25.0	1,204	0.524	305	171	147	500/R
50	7	7.95	1.00	1.80	28.0	1,582	0.387	285	202	177	500/R
70	18	9.70	1.10	1.90	33.0	2,260	0.268	270	247	224	500/R
95	18	11.40	1.10	2.10	37.0	3,068	0.193	235	296	275	500/R
120	18	12.90	1.20	2.20	41.0	3,835	0.153	225	337	320	300/R
150	34	14.45	1.40	2.30	45.0	4,726	0.124	240	377	366	300/R
185	34	15.95	1.60	2.50	50.0	5,889	0.0991	240	425	422	300/R
240	34	18.40	1.70	2.70	56.0	7,658	0.0754	225	489	497	300/R
300	55	20.75	1.80	2.90	62.0	9,558	0.0601	210	548	568	300/R
400	55	23.40	2.00	3.20	69.0	12,170	0.0470	200	618	658	300/R
500	55	26.61	2.20	3.40	77.0	15,524	0.0366	200	703	748	300/R
630	55	29.95	2.40	3.70	86.0	19,946	0.0283	200	791	843	300/R

R = Packing in reel

PHELPS DODGE CONDUCTOR TYPE CV
0.6 / 1 kV XLPE INSULATED PVC SHEATHED POWER CABLE SINGLE CONDUCTOR

Application :

For general purpose power distribution in wet or dry locations, installed in air, in conduit or duct, or directly buried.

Features :

Provides excellent thermal physical properties outstanding resistance to moisture and chemical.

Testing voltage :

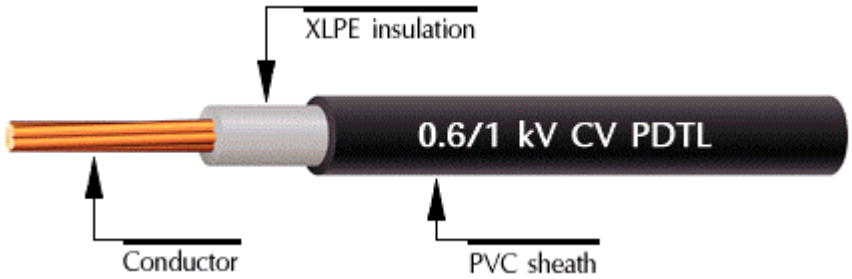
3,500 V

Max. Conductor Temperature :

90° C (Normal Operation)

Reference standard :

IEC 60502-1



Construction :

Conductor	:	Solid or stranded copper
Insulation	:	Cross-linked polyethylene
Sheath	:	Polyvinyl chloride (Black)

Nominal sectional area mm²	Number of wire	Diameter of Conductor (approx.) mm	Thickness Of Insulation mm	Thickness of Sheath mm	Overall Diameter (approx.) mm	Cable weight (approx.) kg/km	Maximum DC. Resistance of Cdr. at 20°C Ω/km	Minimum insulation resistance at 20°C MΩ - km	Allowable direct burial at 25°C ground temp. A RHO 120	Ampacities in free air at 40°C ambient A	Standard packing m
1.5	1	1.38	0.70	1.40	7.0	44	12.1	850	34	29	500/R
1.5	7	1.56	0.70	1.40	7.0	46	12.1	850	34	29	500/R
2.5	1	1.78	0.70	1.40	7.0	56	7.41	700	44	39	500/R
2.5	7	2.01	0.70	1.40	8.0	58	7.41	700	44	39	500/R
4	1	2.25	0.70	1.40	8.0	73	4.61	580	57	51	500/R
4	7	2.55	0.70	1.40	8.0	76	4.61	580	57	51	500/R
6	7	3.12	0.70	1.40	9.0	99	3.08	490	71	65	500/R
10	7	3.71	0.70	1.40	9.0	135	1.83	425	95	88	500/R
16	7	4.66	0.70	1.40	10.0	193	1.15	350	122	117	500/R
25	7	5.86	0.90	1.40	12.0	290	0.727	355	157	157	500/R
35	7	6.90	0.90	1.40	13.0	382	0.524	305	189	193	500/R
50	7	7.95	1.00	1.40	14.0	502	0.387	285	223	232	500/R
70	18	9.70	1.10	1.40	16.0	707	0.268	270	273	292	500/R
95	18	11.40	1.10	1.50	18.0	959	0.193	235	327	359	500/R
120	18	12.90	1.20	1.50	20.0	1,194	0.153	225	372	418	500/R
150	34	14.45	1.40	1.60	22.0	1,474	0.124	240	418	480	500/R
185	34	15.95	1.60	1.70	24.0	1,836	0.0991	240	474	554	500/R
240	34	18.40	1.70	1.80	27.0	2,386	0.0754	225	550	658	500/R
300	55	20.75	1.80	1.90	30.0	2,977	0.0601	210	622	760	500/R
400	55	23.40	2.00	2.00	33.0	3,781	0.0470	200	711	893	300/R
500	55	26.61	2.20	2.10	37.0	4,824	0.0366	200	807	1,034	300/R
630	55	29.95	2.40	2.20	41.0	6,195	0.0283	200	913	1,194	300/R

R = Packing in reel