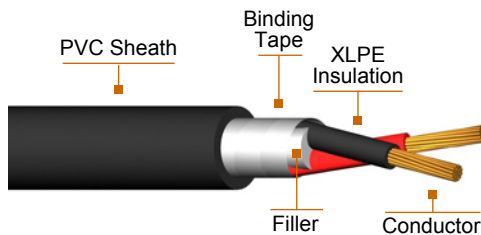


0.6/1 kV XLPE Insulated PVC Jacketed Power Cable (Two Conductors)



## Detail Description or Construction

### Conductor

Solid or stranded copper

### Insulation

Cross-linked polyethylene

### Circuit Identification

The insulation shall be red, black

### Filler

Polypropylene filament with lapped binding tape

### Jacket

Polyvinyl chloride (Black)

## Application

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

## Standards / Testing Specifications

- IEC 60502-1.

## Marking

0.6/1 kV XLPE/PVC 2 x (SIZE) SQ.MM.,  
PHELPS DODGE.

## Installation

CV cable can be installed in air, duct, conduit or direct burial. It is recommended that the installation instructions indicated by the Local Electric Code, or any equivalent, be followed, so that the safeguarding of persons and the integrity of the product will not be affected by deficiencies in the installation.



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Nominal Sectional Area	Number of Wires	Diameter of Conductor (approx.)	Thickness of Insulation	Thickness of Sheath	Overall Diameter (approx.)	Cable Weight (approx.)	Maximum DC Resistance of Cdr. @ 20°C	Minimum Insulation Resistance @ 15.6°C	Allowable Direct Burial @ 25°C Ground Temp.	Ampacities in Free Air @ 40°C Ambient	Standard Packing
									RHO 120		
mm <sup>2</sup>		mm	mm	mm	mm	kg / km	Ω / km	MΩ - km	A	A	m
1.5	1	1.38	0.7	1.8	11.0	109	12.1	800	29	27	500/R
1.5	7	1.56	0.7	1.8	11.5	115	12.1	800	29	27	500/R
2.5	1	1.78	0.7	1.8	12.0	140	7.41	700	43	32	500/R
2.5	7	2.01	0.7	1.8	12.5	145	7.41	700	43	32	500/R
4	1	2.25	0.7	1.8	13.0	180	4.61	580	56	42	500/R
4	7	2.55	0.7	1.8	13.5	187	4.61	580	56	42	500/R
6	7	3.12	0.7	1.8	14.0	230	3.08	490	69	56	500/R
10	7	3.72	0.7	1.8	15.0	320	1.83	425	91	75	500/R
16	7	4.69	0.7	1.8	17.0	450	1.15	350	116	98	500/R
25	7	5.90	0.9	1.8	20.0	660	0.727	355	149	131	500/R
35	7	6.95	0.9	1.8	22.0	870	0.524	305	186	156	500/R
50	7	8.00	1.0	1.8	25.0	1,150	0.387	285	216	198	500/R
70	18	9.73	1.1	1.8	29.0	1,600	0.268	270	250	240	500/R
95	18	11.45	1.1	2.0	32.0	2,150	0.193	235	297	289	500/R
120	18	12.95	1.2	2.1	36.0	2,750	0.153	225	345	340	500/R
150	18	14.27	1.4	2.2	40.0	3,300	0.124	240	375	380	500/R
185	34	15.98	1.6	2.3	44.0	4,000	0.0991	240	430	490	500/R
240	34	18.47	1.7	2.5	50.0	5,300	0.0754	225	525	546	500/R
300	34	20.68	1.8	2.7	55.0	6,500	0.0601	210	595	630	500/R
400	55	23.39	2.0	2.9	62.0	8,600	0.0470	200	680	780	500/R
500	55	26.67	2.2	3.1	69.0	10,700	0.0366	200	780	969	500/R
630	55	30.00	2.4	3.5	80.0	14,010	0.0283	200	870	1,070	500/R

R = Packing in reel