

Technical Specification

Cable Type: Rigid Shielded Cables - Three Conductors
Type 0.6/1 KV NYCY Solid or Stranded Copper Conductor PVC Insulation, Filler & Jacket Served Copper Wire & Tape Overall Shield

Western Wire Series: WPCJ

Revision: 02/02 Date: 27 November 2002



Three Conductor Rigid Cables Type 0.6/1 KV NYCY, conforming to VDE 0271 and IEC 60502. Stranded copper conductor, PVC insulation & filler, served round annealed copper wire and copper tape binder covered with PVC jacket, for high-safety power supply in permanent underground and outdoor installations.

Cable Construction

Conductor	Solid or stranded annealed bare copper conductors, conforming to ASTM B3
Insulation	PVC compound, colored per request.
Filler	PVC compound.
First layer shield	Served round annealed bare copper wires.
Second layer shield	Bare copper binder tape.
Outer jacket	PVC compound, colored black.
Surface marking	Per request.

Electrical Parameters

Maximum Operating Temperature	70C
Maximum short circuit temperature	160C for 5 S max.
Voltage Rating	0.6/1 KV

WW P/N	Construction and Cross Section		Conductor Construction	DC Resistance @20C	Overall Diameter	Total Weight	Ampacity	
	N x mm ²			Ohm/Km	mm	Kg/Km	Amperes	
	Nominal			Maximum	Nominal	Nominal	Nominal	
	Cond.	Shield					Underground @ 20C	In Air @ 30C
WPCJ3X015	3 x 1.5	1.5	Solid	12.1	13.5	225	25	18
WPCJ3X025	3 x 2.5	2.5	Solid	7.41	14.3	281	34	24
WPCJ3X04	3 x 4.0	4.0	Solid	4.61	16.3	388	44	33
WPCJ3X06	3 x 6.0	6.0	Solid	3.08	17.3	489	55	43
WPCJ3X10	3 x 10	10	Stranded	1.83	20.0	709	74	59
WPCJ3X16	3 x 16	16	Stranded	1.15	22.3	998	98	80
WPCJ3X25	3 x 25	16	Stranded	0.727	26.0	1383	127	106
WPCJ3X35	3 x 35	16	Stranded	0.524	28.5	1752	156	131
WPCJ3X50	3 x 50	25	Stranded	0.387	32.5	2424	185	159
WPCJ3X70	3 x 70	35	Stranded	0.268	37.0	3290	227	201
WPCJ3X95	3 x 95	50	Stranded	0.193	42.5	4392	274	201
WPCJ3X120	3 x 120	70	Stranded	0.153	45.6	5458	313	281
WPCJ3X150	3 x 150	70	Stranded	0.124	50.9	6775	353	324
WPCJ3X185	3 x 185	95	Stranded	0.0991	55.9	8232	398	371
WPCJ3X240	3 x 240	120	Stranded	0.0754	62.7	10555	463	435