

### Technical Specification

**Cable Type: Rigid Steel Armored Cables - Four Conductors**  
**Type 0.6/1 KV NYFGbY Stranded Copper Conductor PVC Insulation, Filler & Jacket Galvanized Steel Wire & Tape Armor**

**Western Wire Series: WPCG4**

**Revision: 02/02 Date: 27 November 2002**



Four Conductor Armored Cables Type 0.6/1 KV NYFGbY, conforming to VDE 0271 and IEC 60502. Stranded copper conductor, PVC insulation & filler, galvanized flat served steel wire and helical galvanized steel tape armor covered with PVC jacket, for heavy-duty power supply in permanent underground and outdoor installations.

#### Cable Construction

Conductor	Stranded annealed bare copper conductors, conforming to ASTM B3
Insulation	PVC compound, colored per request.
Filler	PVC compound.
First layer armor	Flat galvanized served steel wires.
Second layer armor	Helical galvanized steel 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 N x mm <sup>2</sup> Nominal	Conductor Construction	DC Resistance @20C	Overall Diameter	Total Weight	Ampacity	
			Ohm/Km	mm	Kg/Km	Amperes	
			Maximum	Nominal	Nominal	Nominal	
						Underground @ 20C	In Air @ 30C
WPCG4X10	4 x 10	Stranded	1.83	22.3	1136	77	60
WPCG4X16	4 x 16	Stranded	1.15	25.0	1497	97	80
WPCG4X25	4 x 25	Stranded	0.727	29.0	2078	127	105
WPCG4X35	4 x 35	Stranded	0.524	32.1	2650	157	130
WPCG4X50	4 x 50	Stranded	0.387	36.8	3573	184	159
WPCG4X70	4 x 70	Stranded	0.268	41.8	4633	227	202
WPCG4X95	4 x 95	Stranded	0.193	47.3	6000	275	224
WPCG4X120	4 x 120	Stranded	0.153	51.7	7288	313	282
WPCG4X150	4 x 150	Stranded	0.124	57.2	8916	353	324
WPCG4X185	4 x 185	Stranded	0.0991	63.3	10845	399	370
WPCG4X240	4 x 240	Stranded	0.0754	70.5	13633	464	435
WPCG4X300	4 x 300	Stranded	0.0601	77.6	16690	523	481