

Technical Specification

Cable Type: Rigid Steel Armored Cables - 3+1 Conductors
Type 0.6/1 KV NYFGbY Stranded Copper Conductor PVC Insulation, Filler & Jacket Galvanized Steel Wire & Tape Armor

Western Wire Series: WPCG3+1

Revision: 02/02 Date: 26 November 2002



Four Conductor Armored Cables Type 0.6/1 KV NYFGbY, conforming to VDE 0271 and IEC 60502. Three conductors of main size, cabled with one additional conductor of a smaller size. 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 ² Nominal	Conductor Construction	DC Resistance @20C	Overall Diameter	Total Weight	Ampacity	
			Ohm/Km	mm	Kg/Km	Amperes	
			Maximum	Nominal	Nominal	Nominal	Underground @ 20C
WPCG3X16/10	3 x 16 + 10	Stranded	1.15/1.83	24.2	1418	97	80
WPCG3X25/16	3 x 25 + 16	Stranded	0.727/1.15	28.0	1945	127	105
WPCG3X35/16	3 x 35 + 16	Stranded	0.524/1.15	30.2	2325	157	130
WPCG3X50/25	3 x 50 + 25	Stranded	0.387/0.727	34.5	3128	184	159
WPCG3X70/35	3 x 70 + 35	Stranded	0.268/0.524	39.5	4115	227	202
WPCG3X95/50	3 x 95 + 50	Stranded	0.193/0.387	44.8	5373	275	224
WPCG3X120/70	3 x 120 + 70	Stranded	0.153/0.268	49.4	6618	313	282
WPCG3X150/70	3 x 150 + 70	Stranded	0.124/0.268	53.5	7831	353	324
WPCG3X185/95	3 x 185 + 95	Stranded	0.0991/0.193	59.1	9544	399	370
WPCG3X240/120	3 x 240 + 120	Stranded	0.0754/0.153	66.0	12002	464	435
WPCG3X300/150	3 x 300 + 150	Stranded	0.0601/0.124	72.7	14678	523	481