

Technical Specification

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

Western Wire Series: WPCG3

Revision: 02/02 Date: 26 November 2002



Three 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	Conductor Construction	DC Resistance @20C	Overall Diameter	Total Weight	Ampacity	
			Ohm/Km	mm	Kg/Km	Amperes	
	Nominal	Maximum	Nominal	Nominal	Underground @ 20C	In Air @ 30C	
WPCG3X16	3 x 16	Stranded	1.15	23.0	1260	97	80
WPCG3X25	3 x 25	Stranded	0.727	26.7	1732	127	105
WPCG3X35	3 x 35	Stranded	0.524	29.3	2160	157	130
WPCG3X50	3 x 50	Stranded	0.387	33.2	2815	184	159
WPCG3X70	3 x 70	Stranded	0.268	37.8	3710	227	202
WPCG3X95	3 x 95	Stranded	0.193	43.0	4789	275	224
WPCG3X120	3 x 120	Stranded	0.153	46.6	5767	313	282
WPCG3X150	3 x 150	Stranded	0.124	51.7	7083	353	324
WPCG3X185	3 x 185	Stranded	0.0991	57.0	8560	399	370
WPCG3X240	3 x 240	Stranded	0.0754	63.7	10808	464	435
WPCG3X300	3 x 300	Stranded	0.0601	70.0	13167	523	481