

Technical Specification

Cable Type: Single Rigid Wire
Types 300/500V H05V-U, 450/750 V H07V-R and H07V-U Solid or Stranded Copper Conductor PVC Insulation

Western Wire Series WPCA

Revision: 02/02 Date: 19 November 2002



Single Rigid Wires Types 300/500V H05V-U, 450/750 V H07V-R and H07V-U, conforming to VDE 0250, IEC 60227 and BS 6004.

Solid or stranded copper conductor insulated with PVC, for power supply in permanent installations.

Cable Construction

Conductor	Solid or stranded annealed bare copper conductors, conforming to ASTM B3
Insulation	PVC compound, colored per request.
Surface marking	Per request.

Electrical Parameters

Maximum Operating Temperature	70C
Maximum short circuit temperature	160C for 5 S max.
Voltage Rating	300/500V and 450/750V

WW P/N	Cross Section	Conductor Construction	DC Resistance @20C	Overall Diameter	Total Weight	Ampacity @30C	
	mm ²		Ohm/Km	mm	Kg/Km	Amperes	
	Nominal		Maximum	Nominal	Nominal	In Conduit	In Air
WPCA005S	0.5	Solid	36.0	2.1	8.0	-	9
WPCA0075S	0.75	Solid	24.5	2.3	11.0	-	11
WPCA010S	1.0	Solid	18.1	2.5	14.0	12	15
WPCA015S	1.5	Solid	12.1	2.9	20.0	16	24
WPCA015F	1.5	Stranded	12.1	3.0	21.0	16	24
WPCA025S	2.5	Solid	7.41	3.5	31.0	20	32
WPCA025F	2.5	Stranded	7.41	3.7	32.0	20	32
WPCA04S	4	Solid	4.61	4.0	47.0	27	43
WPCA04F	4	Stranded	4.61	4.2	48.0	27	43
WPCA06S	6	Solid	3.08	4.5	66.0	34	54
WPCA06F	6	Stranded	3.08	4.8	67.0	34	54
WPCA10S	10	Solid	1.83	5.8	108	47	74
WPCA10F	10	Stranded	1.83	6.2	111	47	74
WPCA16F	16	Stranded	1.15	7.1	175	64	99
WPCA25F	25	Stranded	0.727	9.0	265	86	134
WPCA35F	35	Stranded	0.524	9.9	360	107	159
WPCA50F	50	Stranded	0.387	11.5	500	133	199
WPCA70F	70	Stranded	0.268	13.3	694	164	246
WPCA95F	95	Stranded	0.193	15.4	938	197	294
WPCA120F	120	Stranded	0.153	17.1	1172	237	354
WPCA150F	150	Stranded	0.124	18.8	1465	-	393
WPCA185F	185	Stranded	0.0991	21.2	1808	-	451
WPCA240F	240	Stranded	0.0754	24.3	2345	-	529
WPCA300F	300	Stranded	0.0601	27.6	2921	-	611
WPCA400F	400	Stranded	0.0470	31.3	3750	-	729