

Technical Specification

Cable Type Single Flexible Wire
Types 300/500V H05V-K and 450/750 V H07V-K Stranded Copper Conductor PVC Insulation

Western Wire Series: WPCB

Revision: 02/02 Date: 19 November 2002



Single Flexible Wires Types 300/500V H05V-K and 450/750 V H07V-K, conforming to VDE 0250, IEC 60227 and BS 6004. Stranded copper conductor insulated with PVC, for power supply in permanent installations.

Cable Construction

Conductor	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	Nominal	Nominal	
							In Conduit	In Air
WPCB005F	0.5	Stranded	39.0	2.3	8	-	9	
WPCB0075F	0.75	Stranded	26.0	2.4	11	-	11	
WPCB010F	1.0	Stranded	19.5	2.6	14	12	15	
WPCB015F	1.5	Stranded	13.3	3.0	20	15	24	
WPCB025F	2.5	Stranded	7.98	3.8	31	20	31	
WPCB04F	4	Stranded	4.95	4.4	48	25	41	
WPCB06F	6	Stranded	3.30	5.6	72	33	53	
WPCB10F	10	Stranded	1.91	6.1	120	45	73	
WPCB16F	16	Stranded	1.21	7.5	179	61	98	
WPCB25F	25	Stranded	0.780	9.2	280	83	129	
WPCB35F	35	Stranded	0.554	10.3	375	103	158	
WPCB50F	50	Stranded	0.386	12.8	540	132	198	
WPCB70F	70	Stranded	0.272	14.3	750	165	245	
WPCB95F	95	Stranded	0.206	16.9	985	197	292	
WPCB120F	120	Stranded	0.161	17.8	1230	235	344	
WPCB150F	150	Stranded	0.129	21.1	1480	-	391	
WPCB185F	185	Stranded	0.106	22.3	1840	-	448	
WPCB240F	240	Stranded	0.0801	25.5	2450	-	528	