

Technical Specification

Cable Type: Rigid NYY Cables - Single Conductor
Type 0.6/1 KV NYY Solid or Stranded Copper Conductor PVC Insulation & Jacket

Western Wire Series: WPCE

Revision: 03/02 Date: 20 November 2002







Single Rigid Wires Type 0.6/1 KV NYY, conforming to VDE 0276, IEC 60502 and BS 6346.
 Solid or stranded copper conductor insulated and jacketed with PVC, for power supply in permanent underground and outdoor installations.

Cable Construction

Conductor	Solid or stranded annealed bare copper conductors, conforming to ASTM B3
Insulation	PVC compound, colored per request.
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 Ohm/Km Maximum	Overall Diameter mm Nominal	Total Weight Kg/Km Nominal	Ampacity			
						Amperes			
						Nominal			
						Underground @ 20C		In Air @ 30C	
									
WPCE1X4	1 x 4	Solid	4.61	8.1	101	-	-	45	37
WPCE1X6	1 x 6	Solid	30.8	8.6	125	-	-	57	48
WPCE1X10	1 x 10	Stranded	1.83	9.8	176	-	-	78	66
WPCE1X16	1 x 16	Stranded	1.15	10.9	243	127	107	103	89
WPCE1X25	1 x 25	Stranded	0.727	12.2	340	163	137	137	118
WPCE1X35	1 x 35	Stranded	0.524	13.4	444	195	165	169	145
WPCE1X50	1 x 50	Stranded	0.387	14.7	594	230	195	206	176
WPCE1X70	1 x 70	Stranded	0.268	16.6	795	282	239	261	224
WPCE1X95	1 x 95	Stranded	0.193	18.8	1057	336	287	321	271
WPCE1X120	1 x 120	Stranded	0.153	20.4	1300	382	326	374	314
WPCE1X150	1 x 150	Stranded	0.124	22.7	1620	428	366	428	361
WPCE1X185	1 x 185	Stranded	0.0991	25.1	1990	483	414	494	412
WPCE1X240	1 x 240	Stranded	0.0754	28.1	2554	561	481	590	484
WPCE1X300	1 x 300	Stranded	0.0601	31.1	3168	632	542	678	549
WPCE1X400	1 x 400	Stranded	0.0470	35.2	4168	730	624	817	657