

### Technical Specification

**Cable Type: Multicore Rigid Cables**  
**Type 300/500V NYM Solid or Stranded Copper Conductor PVC Insulation, Filler & Jacket**

**Western Wire Series: WPCC**

**Revision: 02/02 Date: 19 November 2002**



Multicore Rigid Cables Type 300/500V NYM, conforming to VDE 0250, IEC 60227 and BS 6004.  
 Solid or Stranded copper conductor, PVC insulation, filler and outer jacket, for power supply in permanent installations.

#### Cable Construction

Conductor	Stranded annealed bare copper conductors, conforming to ASTM B3
Insulation	PVC compound, colored per request.
Filling layer	PVC compound.
Outer Jacket	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

WW P/N	Construction and Cross Section N x mm <sup>2</sup> Nominal	Conductor Construction	DC Resistance @20C	Overall Diameter	Total Weight	Ampacity @30C
			Ohm/Km	mm	Kg/Km	Amperes
			Maximum	Nominal	Nominal	Nominal, in Air

#### 2-Conductor Cables

WPCC2X015	2 x 1.5	Solid	12.1	8.5	112	18
WPCC2X025	2 x 2.5	Solid	7.41	10.0	153	26
WPCC2X04	2 x 4.0	Solid	4.61	11.0	201	34
WPCC2X06	2 x 6.0	Solid	3.08	12.0	256	44
WPCC2X10	2 x 10	Stranded	1.83	15.2	418	61
WPCC2X16	2 x 16	Stranded	1.15	17.0	576	82
WPCC2X25	2 x 25	Stranded	0.727	22.0	925	108
WPCC2X35	2 x 35	Stranded	0.524	25.2	1245	135

#### 3-Conductor Cables

WPCC3X015	3 x 1.5	Solid	12.1	9.2	131	18
WPCC3X025	3 x 2.5	Solid	7.41	10.5	182	26
WPCC3X04	3 x 4.0	Solid	4.61	11.6	243	34
WPCC3X06	3 x 6.0	Solid	3.08	13.1	329	44
WPCC3X10	3 x 10	Stranded	1.83	16.0	520	61
WPCC3X16	3 x 16	Stranded	1.15	18.4	753	82
WPCC3X25	3 x 25	Stranded	0.727	23.7	1186	108
WPCC3X35	3 x 35	Stranded	0.524	26.7	1575	135

#### 4-Conductor Cables

WPCC4X015	4 x 1.5	Solid	12.1	9.9	157	18
WPCC4X025	4 x 2.5	Solid	7.41	11.4	223	26
WPCC4X04	4 x 4.0	Solid	4.61	13.0	311	34
WPCC4X06	4 x 6.0	Solid	3.08	14.6	423	44
WPCC4X10	4 x 10	Stranded	1.83	17.5	649	61
WPCC4X16	4 x 16	Stranded	1.15	20.1	942	82

WPCC4X25	4 x 25	Stranded	0.727	26.4	1520	108
WPCC4X35	4 x 35	Stranded	0.524	29.3	1990	135
<b>5-Conductor Cables</b>						
WPCC5X015	5 x 1.5	Solid	12.1	10.8	198	18
WPCC5X025	5 x 2.5	Solid	7.41	12.4	279	26
WPCC5X04	5 x 4.0	Solid	4.61	14.5	403	34
WPCC5X06	5 x 6.0	Solid	3.08	15.9	526	44
WPCC5X10	5 x 10	Stranded	1.83	19.1	809	61
WPCC5X16	5 x 16	Stranded	1.15	22.4	1193	82
WPCC5X25	5 x 25	Stranded	0.727	29.0	1187	108
WPCC5X35	5 x 35	Stranded	0.524	32.6	2506	135