

### Technical Specification

**Cable Type: Rigid NYY Cables - Multi-Conductor Cables**  
**Type 0.6/1 KV NYY Solid Copper Conductor PVC Insulation, Filler & Jacket**

**Western Wire Series: WPCFM**

**Revision: 02/02 Date: 28 November 2002**



5 to 61 Rigid Conductor Cables Type 0.6/1 KV NYY, conforming to VDE 0271 and IEC 60502.  
 Solid copper conductor, PVC insulation, filler and jacket, for power supply and control applications in permanent indoor, underground and outdoor installations.

#### Cable Construction

Conductor	Solid annealed bare copper conductors, conforming to ASTM B3
Insulation	Black PVC compound, printed numbers identification.
Filler	PVC compound.
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 <sup>2</sup> Nominal	Conductor Construction	DC Resistance @20C	Overall Diameter	Total Weight	Ampacity	
			Ohm/Km	mm	Kg/Km	Amperes	
			Maximum	Nominal	Nominal	Nominal	
						Underground @ 20C	In Air @ 30C

#### 1.5 mm<sup>2</sup> Conductors

WPCF5X015	5 x 1.5	Solid	12.1	13.7	271	18	14.1
WPCF7X015	7 x 1.5	Solid	12.1	14.5	322	15.5	12.3
WPCF10X015	10 x 1.5	Solid	12.1	16.6	425	13.5	10.4
WPCF12X015	12 x 1.5	Solid	12.1	17.5	489	12.4	9.8
WPCF14X015	14 x 1.5	Solid	12.1	18.5	548	11.6	9.4
WPCF19X015	19 x 1.5	Solid	12.1	20.5	698	10.5	8.4
WPCF21X015	21 x 1.5	Solid	12.1	21.5	764	9.8	8.1
WPCF24X015	24 x 1.5	Solid	12.1	22.5	843	9.0	7.5
WPCF30X015	30 x 1.5	Solid	12.1	24.5	1022	8.7	7.1
WPCF40X015	40 x 1.5	Solid	12.1	27.5	1308	7.7	6.4
WPCF48X015	48 x 1.5	Solid	12.1	29.7	1545	7.4	6.0
WPCF61X015	61 x 1.5	Solid	12.1	33.4	1960	6.4	5.5

#### 2.5 mm<sup>2</sup> Conductors

WPCF5X025	5 x 2.5	Solid	7.41	14.8	345	23.7	18.9
WPCF7X025	7 x 2.5	Solid	7.41	15.8	417	20.2	16.4
WPCF10X025	10 x 2.5	Solid	7.41	18.0	559	17.1	13.7
WPCF12X025	12 x 2.5	Solid	7.41	19.2	650	16.3	13.1
WPCF14X025	14 x 2.5	Solid	7.41	20.2	731	15.3	12.4
WPCF19X025	19 x 2.5	Solid	7.41	22.6	941	13.5	11.4
WPCF21X025	21 x 2.5	Solid	7.41	23.6	1033	12.8	10.7
WPCF24X025	24 x 2.5	Solid	7.41	24.7	1150	11.7	10.1
WPCF30X025	30 x 2.5	Solid	7.41	27.0	1400	11.1	9.3

WPCF40X025	40 x 2.5	Solid	7.41	30.5	1815	10.3	8.6
WPCF48X025	48 x 2.5	Solid	7.41	33.5	2183	9.4	8.1
WPCF61X025	61 x 2.5	Solid	7.41	37.2	2727	8.6	7.5