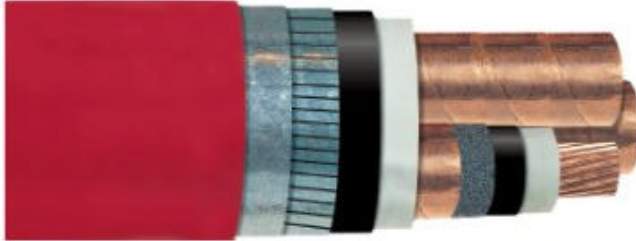


### Technical Specification

**Cable Type: Medium Voltage Three Conductor Cables  
Type 5.8/10 KV 2XSEYFGbY Stranded Copper Conductor, XLPE Insulation, PVC Jacket Ind. Copper Tape Shield,  
Overall Galvanized Steel Armor**

**Western Wire Series: WPCR**

**Revision: 02/02 Date: 6 December 2002**



Three Conductor Medium-Voltage Cables Type 5.8/10 KV 2XSEYFGbY, conforming to VDE 0273, IEC 60502 and BS 6622. Each wire: Stranded copper conductors, inner semi-conductive layer, XLPE insulation, outer semi-conductive layer, copper tape wire shield, tape binder and PVC jacket.

Overall filling layer, PVC inner jacket, galvanized flat steel wire + steel tape armor and PVC outer jacket.

Suitable for high-safety power supply in permanent underground and outdoor installations.

#### Cable Construction

Conductor	Stranded annealed bare copper conductors, conforming to ASTM B3
Individual wires	
Inner semi-conductive layer	Conductive compound.
Insulation	XLPE compound.
Outer semi-conductive layer	Conductive compound.
Tape wrap	Conductive tape.
Individual shield	Copper tape wrap.
Cable	
Cabling	Three individually shielded wires cabled together.
Filler	Filling layer.
Inner jacket	Black PVC compound.
First armor	Flat galvanized served steel wires
Second armor	Helical galvanized steel tape
Outer jacket	PVC compound, colored red.
Surface marking	Per request.

#### Electrical Parameters

Maximum Operating Temperature	90C
Maximum short circuit temperature	250C for 5 S max.
Voltage Rating	5.8/10 KV

WW P/N	Construction and Cross Section		DC Resistance @20C	Overall Diameter	Total Weight	Inductance	Cap.	Ampacity	
	mm <sup>2</sup>		Ohm/Km	mm	Kg/Km	mH/Km	µF/Km	Amperes	
	Nom.		Max.	Nom.	Nom.	Nom.	Nom.	Nom.	
	Cond.	Shield						Underground @ 20C	In Air @ 30C
WPCR3X25	25	16	0.727	49.0	3910	0.38	0.18	147	141
WPCR3X35	35	16	0.524	52.5	4535	0.36	0.20	174	169
WPCR3X50	50	16	0.387	55.2	5286	0.35	0.22	209	203
WPCR3X70	70	16	0.268	60.0	6360	0.34	0.25	253	255
WPCR3X95	95	16	0.193	64.1	7560	0.33	0.29	299	311
WPCR3X120	120	16	0.153	68.3	8780	0.31	0.31	341	358
WPCR3X150	150	16	0.124	72.2	10103	0.30	0.35	391	411
WPCR3X185	185	25	0.0991	76.4	11600	0.29	0.39	441	468
WPCR3X240	240	25	0.0754	82.3	13910	0.28	0.43	510	555
WPCR3X300	300	25	0.0601	88.5	16457	0.27	0.47	572	636
WPCR3X400	400	25	0.0470	94.6	19783	0.26	0.51	644	731