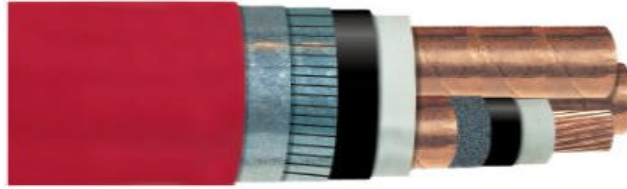


### Technical Specification

**Cable Type: Medium Voltage Three Conductor Cables  
Type 8.7/15 KV 2XSEYFGbY Stranded Copper Conductor, XLPE Insulation, PVC Jacket Ind. Copper Tape Shield,  
Overall Galvanized Steel Armor**

**Western Wire Series: WPCS**

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



Three Conductor Medium-Voltage Cables Type 8.7/15 KV 2XSEYFGbY, conforming to 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	8.7/15 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
	Nom.		Max.	Nom.	Nom.	Nom.	Nom.		
	Cond.	Shield						Underground @ 20C	In Air @ 30C
WPCS3X25	25	16	0.727	54.5	4620	0.41	0.15	147	141
WPCS3X35	35	16	0.524	57.5	5225	0.39	0.17	174	169
WPCS3X50	50	16	0.387	60.5	6008	0.37	0.19	209	203
WPCS3X70	70	16	0.268	65.5	7188	0.35	0.21	253	255
WPCS3X95	95	16	0.193	70.0	8440	0.34	0.23	299	311
WPCS3X120	120	16	0.153	73.5	9633	0.33	0.26	341	358
WPCS3X150	150	16	0.124	77.6	10998	0.32	0.28	391	411
WPCS3X185	185	25	0.0991	81.7	12535	0.31	0.30	441	468
WPCS3X240	240	25	0.0754	88.0	15120	0.30	0.33	510	555
WPCS3X300	300	25	0.0601	94.5	17550	0.29	0.36	572	636
WPCS3X400	400	25	0.0470	98.6	20300	0.28	0.40	644	731