



• Application

IEC 60501-1 standard multi core XLPE Insulated power cables with SWA or STA can be used in underground installation since the cable is very suitable for mechanical compulsion and harsh operating conditions. They are also suitable for comparatively high ambient temperature due to high maximum permissible conductor temperature.

• Performance

Electrical performance U_0/U : 0.6/1kV
 Chemical performance :chemical,UV&oil resistance
 Mechanical performance: minimum bending radius:12 x overall diameter
 Terminal performance :
 -Maximum service temperature:90°C
 -Maximum short-circuit temperature: 250°C(Max.5s)
 -Minimum service temperature:-10°C
 Fire performance:
 -Flame retardant according to IEC/EN 60332-1-2 standard
 -Reduced emission of halogens chlorine <15%

• Construction

Conductor: class 2 circular stranded copper or aluminum conductor;compact sectorial copper or aluminum conductor
 Insulation: XLPE (Cross-linked polyethylene)
 Bedding: PVC(Polyvinyl chloride)
 Armoring: SWA(galvanized round steel wire) or STA (steel tape armour)
 Sheath: PVC(Polyvinyl chloride)
 Core Identification
 Two cores:red, black
 Three cores:red,yellow and blue
 Four cores:red,yellow,blue and black
 Five cores:red,yellow,blue,black and green/yellow
 Sheath Colour:black

• Specification

-IEC/EN 60502-1, IEC/EN 60228 Standard

• Eastful Cable Lab



We have CNAS Accredited Facility to assure conformity assessment services with a focus on quality, expertise, and customer satisfaction.

CNAS has international mutual recognition among IAF, ILAC, APLAC and PAC.

• Accreditation

We meet the requirements of ISO9001, ISO14001, ISO45001 and ISO50001 and our cables have certificate of CCC, RoHS, CASC, UL, cUL, TÜV Rheinland and CCS.



• National Green Factory



Our facility has been awarded of National Green Factory by Ministry of Industry and Information Technology of China. We are committed to the development of high-end, intelligent and green manufacturing industry.

*The overall energy consumption level of green factories is better than the energy efficiency benchmark level.

● Technical Parameters

No. of Cores	Nominal Cross Section Area	Min. Number of Individual Wires in Conductor						Nominal Thickness of Insulation	Max.D.C.Resistance of Conductor at 20°C		Approx. Inductive Reactive per Core of 3 Phase Circuit at 50Hz	
		Circular		Circular Compact		Sectorial			Cu	Al	2 Cores	3 or 4 Cores
		Cu	Al	Cu	Al	Cu	Al					
-	mm ²	-	-	-	-	-	-	mm	Ω/km	Ω/km	Ω/km	Ω/km
2	16	7	7	6	6	-	-	0.7	1.15	1.91	0.081	0.081
2	25	7	7	6	6	6	6	0.9	0.727	1.20	0.079	0.070
2	35	7	7	6	6	6	6	0.9	0.524	0.868	0.077	0.077
3	25	7	7	6	6	6	6	0.9	0.727	1.20	0.079	0.070
3	35	7	7	6	6	6	6	0.9	0.524	0.868	0.077	0.077
3	50	19	19	6	6	6	6	1.0	0.387	0.641	0.076	0.076
3	70	19	19	12	12	12	12	1.1	0.268	0.443	0.075	0.075
3	95	19	19	15	15	15	15	1.1	0.193	0.320	0.073	0.073
3	120	37	37	18	15	18	15	1.2	0.153	0.253	0.072	0.072
3+1	25/16	7/7	7/7	7/7	7/7	-	-	1.2/1.0	0.727/-	1.20/-	-	-
3+1	35/16	7/7	7/7	7/7	7/7	-	-	1.2/1.0	0.524/-	0.868/-	-	-
3+1	50/25	19/7	7/7	19/7	7/7	-	-	1.4/1.2	0.387/-	0.641/-	-	-
3+1	70/35	19/7	19/7	19/7	19/7	-	-	1.4/1.2	0.268/-	0.443/-	-	-
3+1	95/50	19/19	19/7	19/19	19/7	-	-	1.6/1.4	0.193/-	0.320/-	-	-
3+1	120/70	37/19	19/19	37/19	19/19	-	-	1.6/1.4	0.153/-	0.253/-	-	-
3+1	150/70	37/19	19/19	37/19	19/19	-	-	1.8/1.4	0.124/-	0.206/-	-	-
3+1	185/95	37/19	37/19	37/19	37/19	-	-	2.0/1.6	0.0991/-	0.164/-	-	-
3+1	240/120	61/37	37/19	61/37	37/19	-	-	2.2/1.6	0.0754/-	0.125/-	-	-
3+1	300/150	61/37	37/19	61/37	37/19	-	-	2.4/1.8	0.0601/-	0.100/-	-	-
4	25	7	7	6	6	6	6	0.9	0.727	1.20	0.079	0.070
4	35	7	7	6	6	6	6	0.9	0.524	0.868	0.077	0.077
4	50	19	19	6	6	6	6	1.0	0.387	0.641	0.076	0.076
4	70	19	19	12	12	12	12	1.1	0.268	0.443	0.075	0.075
4	95	19	19	15	15	15	15	1.1	0.193	0.320	0.073	0.073
4	120	37	37	18	15	18	15	1.2	0.153	0.253	0.072	0.072
4	150	37	37	18	15	18	15	1.4	0.124	0.206	0.073	0.073
4	185	37	37	30	30	30	30	1.6	0.0991	0.164	0.073	0.073
4	240	37	37	34	30	34	30	1.7	0.0754	0.125	0.072	0.072
5	16	7	7	6	6	-	-	0.7	1.1500	1.91	0.081	0.081
5	25	7	7	6	6	6	6	0.9	0.727	1.20	0.079	0.070
5	35	7	7	6	6	6	6	0.9	0.524	0.868	0.077	0.077
5	50	19	19	6	6	6	6	1.0	0.387	0.641	0.076	0.076
5	70	19	19	12	12	12	12	1.1	0.268	0.443	0.075	0.075
5	95	19	19	15	15	15	15	1.1	0.193	0.320	0.073	0.073