



YJV32 YJV72

(Cu/XLPE/CTS/PVC/SWA(AWA)/PVC(FR-PVC))
3.6/6,6/10, 8.7/15, 12/20, 18/30,21/35,26/35 KV

CABLE STRUCTURE:

Conductor:

Compact stranded copper conductor,
Cl.2 as per IEC 60228

Conductor Screen:

Semi-conductor

Insulation:

XLPE(cross-linked polyethylene) rated at 90°C

Insulation Screen:

Semi-conductor

Screen:

Copper tape

Filler:

non hygroscopic filler(PP)

Inner covering:

PVC

Armoring:

Aluminum wire-1 core Galvanized steel wire -3 cores

Sheath:

PVC or FR-PVC type ST2 to IEC 60502.black

TECHNICAL DATA:

Rated voltage:

3.6/6, 6/10, 8.7/15, 12/20, 18/30, 21/35,
26/35KV

Maximum Conductor Temperature:

under normal (90°C),emergency (130°C)
or short circuit no more than 5s (250°C) conditions

Min.Ambient Temp.-15°C

Installation Temp.0°C

Min.Bending Radius:

15 x cable O.D for single core

12 x cable O.D for multi core

STANDARD:

International:

IEC 60502, IEC 60228,(IEC 60332-3 for
ZR-YJV32, ZR-YJV72, only)

European standard:

BS 6622, IEC/EN 60228

China:

GB/T 12706,(GB/T 18380-3 for ZR-YJV32,
ZR-YJV72, only)

Other standards

such as BS,DIN and ICEA upon request

CODE DESIGNATION:

YJ: XLPE insulation

V: PVC sheath

32: Galvanized steel wire armoring-3 cores

72: Aluminum wire armoring-1 core

ZR: Flame resistant

APPLICATION:

Wiring environment apply to shafts,
water and soil,able to bear the larger
positive pressure.

CERTIFICATES:

We hold SAA, CE, TUV and CCC certifications for
our product categories. Additionally, we possess
other authoritative certifications recognized in
various countries and regions. For further details
on our certification portfolio, please do not
hesitate to contact us.





YJV32 YJV72 (Cu/XLPE/CTS/PVC/SWA(AWA)/PVC(FR-PVC))
3.6/6,6/10, 8.7/15, 12/20, 18/30,21/35,26/35 KV

Specifications

3.6/6KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Dia.Of Armor Wire	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×25	2.5	1.2	1.60	1.8	24.0	1396	0.7270	12.5	140	150
1×35	2.5	1.2	1.60	1.8	25.0	1550	0.5240	12.5	170	180
1×50	2.5	1.2	1.60	1.8	26.0	1754	0.3870	12.5	205	215
1×70	2.5	1.2	1.60	1.9	28.0	2054	0.2680	12.5	260	265
1×95	2.5	1.2	1.60	1.9	29.0	2367	0.1930	12.5	315	315
1×120	2.5	1.2	1.60	2.0	31.0	2701	0.1530	12.5	360	360
1×150	2.5	1.2	2.00	2.0	33.0	3301	0.1240	12.5	410	405
1×185	2.5	1.2	2.00	2.1	35.0	3756	0.0991	12.5	470	455
1×240	2.6	1.2	2.00	2.2	38.0	4458	0.0754	12.5	555	530
1×300	2.8	1.2	2.00	2.3	40.0	5223	0.0601	12.5	640	595
1×400	3.0	1.3	2.50	2.4	45.0	6804	0.0470	12.5	745	680
1×500	3.2	1.3	2.50	2.5	50.0	8094	0.0366	12.5	885	765
3×25	2.5	1.2	2.00	2.3	44.0	3655	0.7270	12.5	120	125
3×35	2.5	1.3	2.50	2.4	47.0	4598	0.5240	12.5	140	155
3×50	2.5	1.3	2.50	2.5	50.0	5259	0.3870	12.5	165	180
3×70	2.5	1.4	2.50	2.7	54.0	6244	0.2680	12.5	210	220
3×95	2.5	1.5	2.50	2.8	57.0	7283	0.1930	12.5	255	265
3×120	2.5	1.5	2.50	2.9	61.0	8317	0.1530	12.5	290	300
3×150	2.5	1.6	2.50	3.0	64.0	9492	0.1240	12.5	330	340
3×185	2.5	1.7	2.50	3.1	67.0	10901	0.0991	12.5	375	380
3×240	2.6	1.8	3.15	3.4	74.0	14046	0.0754	12.5	435	435
3×300	2.8	1.9	3.15	3.6	80.0	16533	0.0601	12.5	495	485



YJV32 YJV72 (Cu/XLPE/CTS/PVC/SWA(AWA)/PVC(FR-PVC))
3.6/6,6/10, 8.7/15, 12/20, 18/30,21/35,26/35 KV

Specifications

6/10KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Dia.Of Armor Wire	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×25	3.4	1.2	1.60	1.8	26.0	1531	0.727	21	140	150
1×35	3.4	1.2	1.60	1.8	27.0	1687	0.524	21	170	180
1×50	3.4	1.2	1.60	1.9	28.0	1907	0.387	21	205	215
1×70	3.4	1.2	1.60	1.9	30.0	2200	0.268	21	260	265
1×95	3.4	1.2	1.60	2	31.0	2531	0.193	21	315	315
1×120	3.4	1.2	2.00	2	34.0	3103	0.153	21	360	360
1×150	3.4	1.2	2.00	2.1	35.0	3488	0.124	21	410	405
1×185	3.4	1.2	2.00	2.2	37.0	3950	0.0991	21	470	455
1×240	3.4	1.2	2.00	2.2	40.0	4623	0.0754	21	555	530
1×300	3.4	1.2	2.00	2.3	42.0	5351	0.0601	21	640	595
1×400	3.4	1.3	2.50	2.4	47.0	6901	0.047	21	745	680
1×500	3.4	1.3	2.50	2.5	51.0	8145	0.0366	21	885	765
3×25	3.4	1.3	2.50	2.5	49.0	4579	0.727	21	120	125
3×35	3.4	1.3	2.50	2.6	52.0	5095	0.524	21	140	155
3×50	3.4	1.4	2.50	2.7	54.0	5802	0.387	21	165	180
3×70	3.4	1.5	2.50	2.8	58.0	6788	0.268	21	210	220
3×95	3.4	1.5	2.50	2.9	62.0	7812	0.193	21	255	265
3×120	3.4	1.6	2.50	3.1	65.0	8929	0.153	21	290	300
3×150	3.4	1.7	2.50	3.2	68.0	10125	0.124	21	330	340
3×185	3.4	1.7	3.15	3.3	72.0	12403	0.0991	21	375	380
3×240	3.4	1.8	3.15	3.5	78.0	14646	0.0754	21	435	435
3×300	3.4	1.9	3.15	3.7	83.0	17014	0.0601	21	495	485



YJV32 YJV72 (Cu/XLPE/CTS/PVC/SWA(AWA)/PVC(FR-PVC))
3.6/6,6/10, 8.7/15, 12/20, 18/30,21/35,26/35 KV

Specifications

6/10KV

Nom.Cros- section of conductor	Insulation Thickness	Inner Covering Thickness	Dia.Of Armor Wire	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×25	4.5	1.2	1.60	1.9	28	1714	0.727	30.5	140	150
1×35	4.5	1.2	1.60	1.9	29	1874	0.524	30.5	170	180
1×50	4.5	1.2	1.60	1.9	30	2086	0.387	30.5	205	215
1×70	4.5	1.2	2.00	2	33	2641	0.268	30.5	260	265
1×95	4.5	1.2	2.00	2.1	35	2990	0.193	30.5	315	315
1×120	4.5	1.2	2.00	2.1	36	3332	0.153	30.5	360	360
1×150	4.5	1.2	2.00	2.2	38	3723	0.124	30.5	410	405
1×185	4.5	1.2	2.00	2.2	40	4174	0.0991	30.5	470	455
1×240	4.5	1.2	2.00	2.3	42	4874	0.0754	30.5	555	530
1×300	4.5	1.3	2.50	2.4	45	6056	0.0601	30.5	640	595
1×400	4.5	1.3	2.50	2.5	49	7195	0.047	30.5	745	680
1×500	4.5	1.4	2.50	2.6	54	8485	0.0366	30.5	885	765
3×25	4.5	1.4	2.50	2.7	54	5224	0.727	30.5	120	125
3×35	4.5	1.5	2.50	2.8	57	5790	0.524	30.5	140	155
3×50	4.5	1.5	2.50	2.9	60	6485	0.387	30.5	165	180
3×70	4.5	1.6	2.50	3	64	7501	0.268	30.5	210	220
3×95	4.5	1.6	2.50	3.1	67	8548	0.193	30.5	255	265
3×120	4.5	1.7	2.50	3.2	70	9663	0.153	30.5	290	300
3×150	4.5	1.8	3.15	3.4	75	11811	0.124	30.5	330	340
3×185	4.5	1.8	3.15	3.5	78	13282	0.0991	30.5	375	380
3×240	4.5	1.9	3.15	3.7	84	15567	0.0754	30.5	435	435
3×300	4.5	2	3.15	3.8	88	17937	0.0601	30.5	495	485



YJV32 YJV72 (Cu/XLPE/CTS/PVC/SWA(AWA)/PVC(FR-PVC))
3.6/6,6/10, 8.7/15, 12/20, 18/30,21/35,26/35 KV

Specifications

12/20 KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Dia.Of Armor Wire	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×35	5.5	1.2	1.60	2.0	31	2291	0.524	42	170	180
1×50	5.5	1.2	1.60	2.0	33	2515	0.387	42	205	215
1×70	5.5	1.2	2.00	2.1	35	2847	0.268	42	260	265
1×95	5.5	1.2	2.00	2.1	37	3186	0.193	42	315	315
1×120	5.5	1.2	2.00	2.2	39	3547	0.153	42	360	360
1×150	5.5	1.2	2.00	2.2	40	3928	0.124	42	410	405
1×185	5.5	1.2	2.00	2.3	42	4402	0.0991	42	470	455
1×240	5.5	1.3	2.50	2.4	45	5554	0.0754	42	555	530
1×300	5.5	1.3	2.50	2.5	47	6323	0.0601	42	640	595
1×400	5.5	1.4	2.50	2.6	52	7501	0.047	42	745	680
1×500	5.5	1.4	2.50	2.7	56	8776	0.0366	42	885	765
3×35	5.5	1.5	2.50	2.9	62	6374	0.524	42	140	155
3×50	5.5	1.6	2.50	3.0	64	7122	0.387	42	165	180
3×70	5.5	1.7	2.50	3.2	68	8190	0.268	42	210	220
3×95	5.5	1.7	2.50	3.3	71	9258	0.193	42	255	265
3×120	5.5	1.8	3.15	3.4	76	11311	0.153	42	290	300
3×150	5.5	1.9	3.15	3.5	80	12594	0.124	42	330	340
3×185	5.5	1.9	3.15	3.7	83	14125	0.0991	42	375	380
3×240	5.5	2.0	3.15	3.8	88	16412	0.0754	42	435	435
3×300	5.5	2.1	3.15	4.0	93	18855	0.0601	42	495	485



YJV32 YJV72 (Cu/XLPE/CTS/PVC/SWA(AWA)/PVC(FR-PVC))
3.6/6,6/10, 8.7/15, 12/20, 18/30,21/35,26/35 KV

Specifications

18/30 KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Dia.Of Armor Wire	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Q/km	kV/5min	In air(A)	In soil(A)
1×50	8	1.2	2	2.2	40	2857	0.387	63	220	215
1×70	8	1.2	2	2.3	42	3166	0.268	63	270	265
1×95	8	1.2	2	2.3	43	3499	0.193	63	330	315
1×120	8	1.3	2.5	2.4	46	4264	0.153	63	375	360
1×150	8	1.4	2.5	2.5	48	4671	0.124	63	425	400
1×185	8	1.4	2.5	2.5	49	5121	0.0991	63	485	455
1×240	8	1.4	2.5	2.6	52	5780	0.0754	63	560	525
1×300	8	1.4	2.5	2.7	54	6482	0.0601	63	650	595
1×400	8	1.4	2.5	2.8	58	7657	0.047	63	760	680
1×500	8	1.6	2.5	2.9	61	8894	0.0366	63	875	775
3×50	8	1.8	3.15	3.5	80	9376	0.387	63	185	200
3×70	8	1.8	3.15	3.6	84	10426	0.268	63	230	250
3×95	8	1.8	3.15	3.7	87	11475	0.193	63	285	300
3×120	8	1.8	3.15	3.8	90	12598	0.153	63	310	380
3×150	8	1.8	3.15	3.9	93	13855	0.124	63	360	425
3×185	8	2	3.15	4	96	15233	0.0991	63	400	490
3×240	8	2	3.15	4.2	102	17481	0.0754	63	470	555
3×300	8	2	3.15	4.4	107	19731	0.0601	63	540	625



YJV32 YJV72 (Cu/XLPE/CTS/PVC/SWA(AWA)/PVC(FR-PVC))
3.6/6,6/10, 8.7/15, 12/20, 18/30,21/35,26/35 KV

Specifications

21/35 KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Dia.Of Armor Wire	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×50	8	1.2	2	2.2	40	2857	0.387	63	220	215
1×70	8	1.2	2	2.3	42	3166	0.268	63	270	265
1×95	8	1.2	2	2.3	43	3499	0.193	63	330	315
1×120	8	1.3	2.5	2.4	46	4264	0.153	63	375	360
1×150	8	1.4	2.5	2.5	48	4671	0.124	63	425	400
1×185	8	1.4	2.5	2.5	49	5121	0.0991	63	485	455
1×240	8	1.4	2.5	2.6	52	5780	0.0754	63	560	525
1×300	8	1.4	2.5	2.7	54	6482	0.0601	63	650	595
1×400	8	1.4	2.5	2.8	58	7657	0.047	63	760	680
1×500	8	1.6	2.5	2.9	61	8894	0.0366	63	875	775
3×50	8	1.8	3.15	3.5	80	9376	0.387	63	185	200
3×70	8	1.8	3.15	3.6	84	10426	0.268	63	230	250
3×95	8	1.8	3.15	3.7	87	11475	0.193	63	285	300
3×120	8	1.8	3.15	3.8	90	12598	0.153	63	310	380
3×150	8	1.8	3.15	3.9	93	13855	0.124	63	360	425
3×185	8	2	3.15	4	96	15233	0.0991	63	400	490
3×240	8	2	3.15	4.2	102	17481	0.0754	63	470	555
3×300	8	2	3.15	4.4	107	19731	0.0601	63	540	625



YJV32 YJV72 (Cu/XLPE/CTS/PVC/SWA(AWA)/PVC(FR-PVC))
3.6/6,6/10, 8.7/15, 12/20, 18/30,21/35,26/35 KV

Specifications

26/35 KV

Nom.Cross- section of conductor	Insulation Thickness	Inner Covering Thickness	Dia.Of Armor Wire	Sheath Thickness	Approx O.D.	Approx Weight	Max.D.C. Resistance of Conductor (20°C)	Test Voltage A.C	Current Rating	
mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
1×50	10.5	1.3	2.5	2.4	47	4049	0.387	91	220	215
1×70	10.5	1.3	2.5	2.5	49	4433	0.268	91	270	265
1×95	10.5	1.3	2.5	2.5	51	4809	0.193	91	330	315
1×120	10.5	1.4	2.5	2.6	52	5247	0.153	91	375	360
1×150	10.5	1.4	2.5	2.6	54	5663	0.124	91	425	400
1×185	10.5	1.4	2.5	2.7	55	6191	0.0991	91	485	455
1×240	10.5	1.5	2.5	2.8	58	7003	0.0754	91	560	525
1×300	10.5	1.5	2.5	2.9	60	7819	0.0601	91	650	595
1×400	10.5	1.6	2.5	3	64	9051	0.047	91	760	680
1×500	10.5	1.6	2.5	3.1	67	10398	0.0366	91	875	775
3×50	10.5	1.8	3.15	3.9	92	11660	0.387	91	185	200
3×70	10.5	1.8	3.15	4	96	12860	0.268	91	230	250
3×95	10.5	1.9	3.15	4.1	99	14036	0.193	91	285	300
3×120	10.5	2.0	3.15	4.2	103	15306	0.153	91	310	380
3×150	10.5	2.0	3.15	4.4	106	16662	0.124	91	360	425
3×185	10.5	2.0	3.15	4.5	109	18130	0.0991	91	400	490
3×240	10.5	2.0	3.15	4.6	114	20258	0.0754	91	470	555
3×300	10.5	2.0	3.15	4.8	119	22517	0.0601	91	540	625