



YJV32 CU/XLPE/PVC/SWA/PVC (CU/XLPE/PVC/SWA/FR-PVC) 0.6/1KV

CABLE STRUCTURE:

Conductor:

Compact stranded copper conductor,
C1.2 as per IEC 60228

Insulation:

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

Filler: non hygroscopic filler(PP)

Inner covering: PVC

Armoring: Galvanized steel wire

Sheath: PVC or FR-PVC type ST2
to IEC 60502, black

APPLICATION:

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

CODE DESIGNATION:

YJ: XLPE insulation

V: PVC sheath

32: Galvanized steel wire armoring

ZR: Flame resistant

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.

TECHNICAL DATA:

Rated voltage:

0.6/1 kV

Maximum Conductor Temperature:

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

Min.Ambient Temp.:

0°C, after installation and only when cable
is in a fixed position.

Min.Bending Radius:

12 × cable O.D for multi core

STANDARDS:

International:

IEC 60502,IEC 60228,IEC 60332

European standard:

BS 5467, IEC/EN 60502-1, IEC/EN 60228,

Flame Retardant according to IEC/EN 60332-1-2

China standard:

GB/T 12706.1-2020

Other standards

such as BS, DIN and ICEA upon request





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Specifications

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)
2×1.5	0.7	1.0	0.90	1.8	15	330	12.1	3.5	20	27
2×2.5	0.7	1.0	0.90	1.8	16	376	7.41	3.5	26	35
2×4	0.7	1.0	0.90	1.8	17	554	4.61	3.5	34	45
2×6	0.7	1.0	0.90	1.8	18.2	633	3.08	3.5	43	57
2×10	0.7	1.0	1.25	1.8	21	797	1.83	3.5	60	77
2×16	0.7	1.0	1.60	1.8	23.5	1124	1.15	3.5	83	105
2×25	0.9	1.0	1.60	1.8	26	1417	0.727	3.5	105	125
2×35	0.9	1.0	1.60	1.8	30.5	1694	0.524	3.5	125	155
2×50	1.0	1.0	1.60	1.8	27	1787	0.387	3.5	160	185
2×70	1.1	1.0	1.60	2.0	30	2181	0.268	3.5	200	225
2×95	1.1	1.2	1.60	2.1	34	2768	0.193	3.5	245	270
2×120	1.2	1.2	2.00	2.2	36.5	3500	0.153	3.5	285	310
2×150	1.4	1.2	2.00	2.4	42	4233	0.124	3.5	325	345
2×185	1.6	1.2	2.00	2.5	45	4979	0.0991	3.5	375	390
3×1.5	0.7	1.0	0.90	1.8	15.8	359	12.1	3.5	20	27
3×2.5	0.7	1.0	0.90	1.8	16.8	415	7.41	3.5	26	35
3×4	0.7	1.0	0.90	1.8	18	611	4.61	3.5	34	45
3×6	0.7	1.0	0.90	1.8	19	718	3.08	3.5	43	57
3×10	0.7	1.0	1.25	1.8	22	937	1.83	3.5	60	77
3×16	0.7	1.0	1.60	1.8	24.5	1318	1.15	3.5	83	105
3×25	0.9	1.0	1.60	1.8	29.2	1707	0.727	3.5	105	125
3×35	0.9	1.0	1.60	1.8	32.5	2071	0.524	3.5	125	155
3×50	1.0	1.0	1.60	1.9	33	2405	0.387	3.5	160	185
3×70	1.1	1.0	1.60	2.0	37	3084	0.268	3.5	200	225
3×95	1.1	1.2	1.60	2.1	43	4126	0.193	3.5	245	270
3×120	1.2	1.2	2.00	2.3	45	4901	0.153	3.5	285	310
3×150	1.4	1.4	2.00	2.4	51	6365	0.124	3.5	325	345
3×185	1.6	1.4	2.00	2.6	56	7555	0.0991	3.5	375	390
3×240	1.7	1.4	2.50	2.8	62	9284	0.0754	3.5	440	450
3×300	1.8	1.6	2.50	3.0	67	11226	0.0601	3.5	505	515
3×400	2.0	1.6	2.50	3.2	74	15714	0.047	3.5	570	575
4×4	0.7	1.0	0.90	1.8	18	699	4.61	3.5	34	45
4×6	0.7	1.0	1.25	1.8	19	820	3.08	3.5	43	57
4×10	0.7	1.0	1.25	1.8	22	1233	1.83	3.5	60	77
4×16	0.7	1.0	1.60	1.8	24.5	1550	1.15	3.5	83	105
4×25	0.9	1.0	1.60	1.8	29.2	2036	0.727	3.5	105	125
4×35	0.9	1.0	2.00	1.9	32.5	2501	0.524	3.5	125	155
4×50	1.0	1.0	2.00	2.0	33	3064	0.387	3.5	160	185
4×70	1.1	1.0	2.00	2.1	37	3974	0.268	3.5	200	225



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Specifications

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)
4×95	1.1	1.2	2.00	2.3	43	5032	0.193	3.5	245	270
4×120	1.2	1.2	2.50	2.4	45	6327	0.153	3.5	285	310
4×150	1.4	1.4	2.50	2.5	51	7765	0.124	3.5	325	345
4×185	1.6	1.4	2.50	2.7	56	9205	0.0991	3.5	375	390
4×240	1.7	1.4	2.50	3.0	62	11444	0.0754	3.5	440	450
4×300	1.8	1.6	2.50	3.2	67	13830	0.0601	3.5	505	515
4×400	2.0	1.6	3.15	3.5	74	19673	0.047	3.5	570	575
5×4	0.7	1.0	1.25	1.8	20	783	4.61	3.5	34	45
5×6	0.7	1.0	1.25	1.8	22.4	946	3.08	3.5	43	57
5×10	0.7	1.0	1.6	1.8	25.8	1398	1.83	3.5	60	77
5×16	0.7	1.0	1.6	1.8	29	1784	1.15	3.5	83	105
5×25	0.9	1.0	1.6	1.8	34.2	2378	0.727	3.5	105	125
5×35	0.9	1.0	1.6	1.9	37.8	3237	0.524	3.5	125	155
5×50	1.0	1.2	2	2.1	43.2	3994	0.387	3.5	160	185
5×70	1.1	1.2	2	2.3	49	5514	0.268	3.5	200	225
5×95	1.1	1.4	2.5	2.5	55	6816	0.193	3.5	245	270
5×120	1.2	1.4	2.5	2.6	61	8174	0.153	3.5	285	310
5×150	1.4	1.4	2.5	2.8	67.8	9859	0.124	3.5	325	345
5×185	1.6	1.6	2.5	3.0	74.3	11805	0.0991	3.5	375	390
5×240	1.7	1.6	3.2	3.3	83	15706	0.0754	3.5	440	450
3×4+1×2.5	0.7	1.0	0.9	1.8	18.7	624	4.61	3.5	34	45
3×6+1×4	0.7	1.0	0.9	1.8	20	752	3.08	3.5	43	57
3×10+1×6	0.7	1.0	1.25	1.8	23.3	1154	1.83	3.5	60	77
3×16+1×10	0.7	1.0	1.25	1.8	25.8	1456	1.15	3.5	83	105
3×25+1×16	0.9	1.0	1.6	1.8	30	1905	0.727	3.5	105	125
3×35+1×16	0.9	1.0	1.6	1.8	33	2259	0.524	3.5	125	155
3×50+1×25	1.0	1.0	1.6	1.9	35.5	2705	0.387	3.5	160	185
3×70+1×35	1.1	1.2	2	2.0	41	3729	0.268	3.5	200	225
3×95+1×50	1.1	1.2	2	2.1	46	4732	0.193	3.5	245	270
3×120+1×70	1.2	1.4	2	2.3	51	6071	0.153	3.5	285	310
3×150+1×70	1.4	1.4	2.5	2.4	56.5	7198	0.124	3.5	325	345
3×185+1×95	1.6	1.4	2.5	2.6	62	8558	0.0991	3.5	375	390
3×240+1×120	1.7	1.6	2.5	2.8	68	10580	0.0754	3.5	440	450
3×300+1×150	1.8	1.6	2.5	3.0	75	12742	0.0601	3.5	505	515
3×4+2×2.5	0.7	1.0	0.9	3.2	18.7	735	4.61	3.5	34	45
3×6+2×4	0.7	1.0	1.25	1.8	21	879	3.08	3.5	43	57
3×10+2×6	0.7	1.0	1.25	1.8	24.2	1263	1.83	3.5	60	77
3×16+2×10	0.7	1.0	1.6	1.8	27.5	1616	1.15	3.5	83	105
3×25+2×16	0.9	1.0	1.6	1.8	32.5	2142	0.727	3.5	105	125



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mm ²	mm	mm	mm	mm	mm	kg/km	Ω/km	kV/5min	In air(A)	In soil(A)
3×35+2×16	0.9	1.0	1.6	1.8	35.5	2492	0.524	3.5	125	155
3×50+2×25	1.0	1.0	2	1.9	40	3408	0.387	3.5	160	185
3×70+2×35	1.1	1.0	2	2.2	45.6	4338	0.268	3.5	200	225
3×95+2×50	1.1	1.2	2	2.4	50	5374	0.193	3.5	245	270
3×120+2×70	1.2	1.2	2.5	2.6	56.9	7145	0.153	3.5	285	310
3×150+2×70	1.4	1.4	2.5	2.7	62.4	8076	0.124	3.5	325	345
3×185+2×95	1.6	1.4	2.5	3.0	67.6	9779	0.0991	3.5	375	390
3×240+2×120	1.7	1.4	2.5	3.2	73.8	12024	0.0754	3.5	440	450
3×300+2×150	1.8	1.6	3.15	3.4	83	14366	0.0601	3.5	505	515
4×4+1×2.5	0.7	1.0	0.9	1.8	20	752	4.61	3.5	34	45
4×6+1×4	0.7	1.0	1.25	1.8	21.5	913	3.08	3.5	43	57
4×10+1×6	0.7	1.0	1.25	1.8	25	1323	1.83	3.5	60	77
4×16+1×10	0.7	1.0	1.6	1.8	28.6	1691	1.15	3.5	83	105
4×25+1×16	0.9	1.0	1.6	1.8	33.5	2256	0.727	3.5	105	125
4×35+1×16	0.9	1.0	1.6	1.9	36	2957	0.524	3.5	125	155
4×50+1×25	1.0	1.0	2	2.2	42	3643	0.387	3.5	160	185
4×70+1×35	1.1	1.2	2	2.4	47	4614	0.268	3.5	200	225
4×95+1×50	1.1	1.2	2	2.6	51.2	6140	0.193	3.5	245	270
4×120+1×70	1.2	1.4	2.5	2.8	59	7544	0.153	3.5	285	310
4×150+1×70	1.4	1.4	2.5	3.0	64	8733	0.124	3.5	325	345
4×185+1×95	1.6	1.4	2.5	3.1	71	10597	0.0991	3.5	375	390
4×240+1×120	1.7	1.6	2.5	3.3	78	13029	0.0754	3.5	440	450
4×300+1×150	1.8	1.6	3.15	3.5	88	17172	0.0601	3.5	505	515