

Product Specification

Product Description

Low Voltage Power Cables Solution for AC-rated Voltage Systems up to 1kV

Product Description

These low voltage power cables are meticulously designed to cater to both industrial and distribution network installations, offering a reliable solution for AC-rated voltage systems up to 1kV. The cables are especially effective in photovoltaic power stations, providing a vital link between combiner boxes and low-voltage cabinets. Constructed with high-purity, oxygen-free copper, these cables ensure superior conductivity and high ampacity, while their crosslinked polyethylene (XLPE) insulation offers exceptional electrical and mechanical performance, including resistance to aging and environmental factors.

The cables come in various configurations, including flame retardant and halogen-free options, ensuring that they can meet the stringent safety and performance standards required in modern installations. Armored variants are also available for installations that demand enhanced protection against mechanical stresses.

Model Type	Voltage level KV	Product name	Execution standards
YJV	0.6/1	Copper core crosslinked polyethylene insulated polyvinyl chloride sheathed power cable	GB/T 12706.1-2020
YJV22	0.6/1	Copper core XLPE insulated steel tape armored polyvinyl chloride sheathed power cable	GB/T 12706.1-2020
ZC-YJV	0.6/1	Flame retardant Class C copper core crosslinked polyethylene insulated polyvinyl chloride sheathed power cable	GB/T 12706.1-2020
ZC-YJV22	0.6/1	Flame retardant Class C copper core crosslinked polyethylene steel tape armored one insulated polyvinyl chloride sheathed power cable	GB/T 12706.1-2020
WDZ-YJV	0.6/1	Copper core crosslinked polyethylene insulated halogen-free low smoke flame retardant polyolefin sheathed power cable	GB/T 12706.1-2020
WDZ-YJV22	0.6/1	Copper core crosslinked polyethylene insulated steel tape armored polyethylene sheathed steel tape armored power cable	GB/T 12706.1-2020
ZC-YJLHV	0.6/1	Flame retardant Class C aluminum alloy core crosslinked polyethylene insulated polyhalogen-free low smoke flame retardant polyolefin sheathed power cable	GB/T 31840.1-2015
ZC-YJLHV22	0.6/1	Flame retardant Class C aluminum alloy core crosslinked polyethylene insulated polyester tape armored halogen-free low smoke flame retardant polyolefin sheathed power cable	GB/T 31840.1-2015
YJLHV	0.6/1	Aluminum alloy core crosslinked polyethylene insulated polyvinyl chloride sheathed power cable	GB/T 31840.1-2015
YJLHV22	0.6/1	Aluminum alloy core crosslinked polyethylene insulated steel tape armored polyvinyl chloride sheathed power cable	GB/T 31840.1-2015
WDZ-YJLHV	0.6/1	Aluminum alloy core crosslinked polyethylene insulated halogen-free low smoke flame retardant polyolefin sheathed power cable	GB/T 31840.1-2015
WDZ-YJLHV22	0.6/1	Aluminum alloy core crosslinked polyethylene insulated steel tape armored halogen-free low smoke flame retardant polyolefin sheathed power cable	GB/T 31840.1-2015

YJV、YJLHV 0.6/1kV XLPE insulated power cable

(Including flame retardant, halogen-free low-smoke flame retardant and fire-resistant series cables)

Nominal cross-section mm ²	Cable reference Outside diameter mm	Allowable ampacity A			
		Laid in air		Buried laying	
		copper	Aluminum alloy	copper	Aluminum alloy
3×16+1×10	18.6	84	65	110	85
3×25+1×16	22.1	110	87	140	110
3×35+1×16	23.9	135	105	170	130
3×50+1×25	27.4	170	130	205	160
3×70+1×35	31.9	215	165	250	195
3×95+1×50	36.0	265	205	300	235
3×120+1×70	40.3	310	240	345	265
3×150+1×70	44.2	350	270	385	300
3×185+1×95	49.2	405	315	435	340
3×240+1×120	54.7	480	375	500	395
3×300+1×150	60.7	555	435	565	445
3×400+1×185	68.4	640	510	640	510
3×16+2×10	19.9	84	65	110	85
3×25+2×16	23.5	110	87	140	110
3×35+2×16	25.2	135	105	170	130
3×50+2×25	29.3	170	130	205	160
3×70+2×35	33.9	215	165	250	195
3×95+2×50	38.4	265	205	300	235
3×120+2×70	43.3	310	240	345	265
3×150+2×70	46.8	350	270	385	300
3×185+2×95	52.1	405	315	435	340
3×240+2×120	58.0	480	375	500	395
3×300+2×150	64.4	555	435	565	445
4×10+1×6	17.7	65	50	86	66
4×16+1×10	20.4	84	65	110	85
4×25+1×16	24.4	110	87	140	110
4×35+1×16	26.6	135	105	170	130
4×50+1×25	30.6	170	130	205	160
4×70+1×35	35.9	215	165	250	195
4×95+1×50	40.3	265	205	300	235
4×120+1×70	45.3	310	240	345	265
4×150+1×70	49.8	350	270	385	300
4×185+1×95	55.4	405	315	435	340
4×240+1×120	61.6	480	375	500	395
4×300+1×150	68.3	555	435	565	445

YJV22、YJLHV22 0.6/1kV XLPE insulated power cable
(Including flame retardant, halogen-free low-smoke flame retardant and fire-resistant series cables)

Nominal cross-section mm²	Cable reference Outside diameter mm	Allowable ampacity A			
		Laid in air		Buried laying	
		copper	Aluminum alloy	copper	Aluminum alloy
3×16+1×10	20.6	83	64	110	85
3×25+1×16	24.1	110	86	140	110
3×35+1×16	25.9	135	105	170	130
3×50+1×25	29.4	165	125	200	155
3×70+1×35	34.1	210	165	245	190
3×95+1×50	39.8	260	200	300	230
3×120+1×70	44.3	305	235	335	260
3×150+1×70	48.2	345	270	380	295
3×185+1×95	53.6	395	310	430	335
3×240+1×120	59.1	465	365	500	390
3×300+1×150	64.9	535	420	565	440
3×400+1×185	72.8	620	495	650	505
3×16+2×10	21.9	83	64	110	85
3×25+2×16	25.5	110	86	140	110
3×35+2×16	27.2	135	105	170	130
3×50+2×25	31.3	165	125	200	155
3×70+2×35	35.9	210	165	245	190
3×95+2×50	42.2	260	200	300	230
3×120+2×70	47.3	305	235	335	260
3×150+2×70	50.8	345	270	380	295
3×185+2×95	56.5	395	310	430	335
3×240+2×120	62.4	465	365	500	390
3×300+2×150	68.8	535	420	565	440
4×16+1×10	22.4	83	64	110	85
4×25+1×16	26.4	110	86	140	110
4×35+1×16	28.6	135	105	170	130
4×50+1×25	32.8	165	125	200	155
4×70+1×35	39.1	210	165	245	190
4×95+1×50	44.3	260	200	300	230
4×120+1×70	49.1	305	235	335	260
4×150+1×70	54.2	345	270	380	295
4×185+1×95	59.8	395	310	430	335
4×240+1×120	66.0	465	365	500	390
4×300+1×150	72.7	535	420	565	440
4×400+1×185	82.9	620	495	650	505

Application

These cables are suitable for a broad range of applications, including distribution networks, industrial installations, and photovoltaic power stations. Whether installed indoors, in pipelines, tunnels, or even buried underground, these cables are engineered to maintain performance integrity under challenging environmental conditions, withstanding temperatures from -40°C to 90°C.

Shipping Methods

Supports global air and sea shipping, with customizable packaging to meet specific client needs, ensuring safe and efficient delivery.



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