

TÜV PV1-F

产品认证 Approvals

TÜV 2PfG 1169 PV1-F 1X1.5mm² ~35mm² （全系列）Multiple color



结构 Construction	导体结构 Conductor Construction	绞合外径 Conductor Outer	成品外径 Cable Outer	最大电阻 Resistance Max.	载流量 Current Carring Capacity AT 60℃
mm ²	nxmm	mm	mm	Ω /Km	A
1X1.5	30X0.25	1.58	4.9	13.7	30
1X2.5	48X0.25	2.02	5.45	8.21	41
1X4.0	56X0.3	2.35	6.10	5.09	55
1X6.0	84X0.3	3.20	7.20	3.39	70
1X10	142X0.3	4.60	9.00	1.95	98
1x16	228X0.3	5.60	10.20	1.24	132
1x25	361X0.3	6.95	12.00	0.795	176
1x35	494X0.3	8.30	13.80	0.565	218

载流量为电缆单根敷设于空气中情况。
The current-carrying capacity is under the situation of laying the single cable in air.

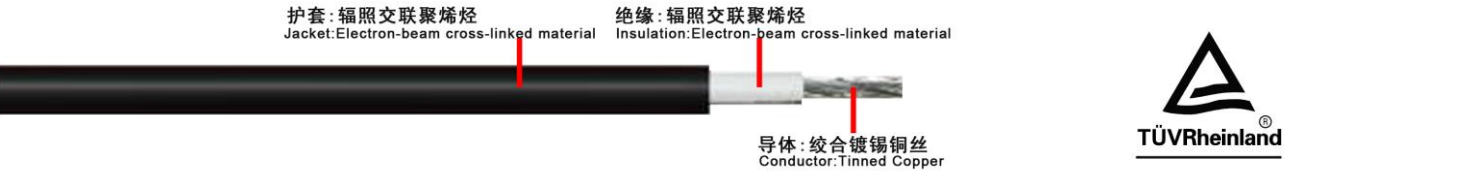
技术参数 Technical Date

额定电压 Nominal voltage	直流（DC）:1.8KV 交流（AC）:0.6/1.0KV
成品电压测试 Voltage test on completed cable	交流（AC）:6.5KV 直流（DC）:15KV,5MIN
环境温度 Ambient temperature	-40℃~+90℃
导体最高温度 Max. Temperature at conductor	+120℃
使用寿命 Service life	>25 年（-40℃~+90℃）
参考短路允许温度 Refer toshortcirauit allows the temperature	200℃,5 秒（S）
弯曲半径 Bending radius	≥4×φ (D<8MM), ≥6×φ (D≥8MM)
耐酸碱测试 Resistance against acid and alkaline solution	EN60811-2-1
冷弯实验 Cold bending test	EN60811-1-4
耐日光测试 Weathering/UV- resistance	HD605/A1
成品电缆耐臭氧测试 O-zone resistance at complete cable	EN50396
阻燃测试 Test under fire conditions	EN60332-1-2

EN H1Z2Z2-K

产品认证 Approvals

TÜV EN 50618-2014 H1Z2Z2-K 1X1.5mm² ~35mm² （全系列）Multiple color



结构 Construction	导体结构 Conductor Construction	绞合外径 Conductor Outer	成品外径 Cable Outer	最大电阻 Resistance Max.	载流量 Current Carring Capacity AT 60℃
mm ²	nxmm	mm	mm	Ω /Km	A
1X1.5	30X0.25	1.58	4.60	13.7	30
1X2.5	47X0.25	1.98	5.10	8.21	41
1X4.0	56X0.283	2.35	5.50	5.09	55
1X6.0	84X0.283	3.06	6.30	3.39	70
1X10	142X0.3	4.60	7.80	1.95	98
1x16	228X0.3	5.60	9.20	1.24	132
1x25	361X0.3	6.95	11.30	0.795	176
1x35	494X0.3	8.30	13.30	0.565	218

载流量为电缆单根敷设于空气中情况。
The current-carrying capacity is under the situation of laying the single cable in air.

技术参数 Technical Date

额定电压 Nominal voltage	直流（DC）:1.5KV 交流（AC）:1.0/1.0KV
成品电压测试 Voltage test on completed cable	交流（AC）:6.5KV 直流（DC）:15KV,5MIN
环境温度 Ambient temperature	-40℃~+90℃
热寿命试验 Thermal endurance properties	+120℃,2000h 断裂伸长率 elongation at break≥50%
使用寿命 Service life	>25 年（-40℃~+90℃）
参考短路允许温度 Refer toshortcirauit allows the temperature	200℃,5 秒（S）
弯曲半径 Bending radius	≥4×φ (D<8MM), ≥6×φ (D≥8MM)
耐酸碱测试 Resistance against acid and alkaline solution	EN60811-404
冷弯实验 Cold bending test	EN60811-504
耐日光测试 Weathering/U- resistance	HD605/A1
成品电缆耐臭氧测试 O-zone resistance at complete cable	EN50396
阻燃测试 Test under fire conditions	EN60332-1-2

UL PV

产品认证 Approvals

UL4703 PV 18AWG~4/0AWG（全系列）Multiple color



结构 Construction	导体结构 Conductor Construction	标称截面 Cominal area	600V 外径 Outer	1000V/2000V 外径 Outer	最大电阻 Resistance Max.
AWG	nxmm	mm ²	mm	mm	Ω /Km
18	16X0.254	0.823	4.25	5.00	23.2
16	26X0.254	1.31	4.55	5.30	14.6
14	41X0.254	2.08	5.10	5.90	8.96
12	47X0.3	3.31	5.50	6.20	5.64
10	105X0.254	5.261	6.30	7.05	3.546
8	168X0.254	8.367	8.30	8.70	2.23
6	266X0.254	13.3	9.80	10.30	1.403
4	420X0.254	21.15	11.70	11.60	0.882
2	665X0.254	33.62	13.30	13.40	0.5548
1	836X0.254	42.41	15.20	16.10	0.4398
1/0	1045X0.254	53.49	17.00	17.10	0.3487
2/0	1330X0.254	67.43	18.30	18.80	0.2766
3/0	1672X0.254	85.01	19.80	20.40	0.2194
4/0	2109X0.254	107.2	21.50	21.80	0.1722

载流量为电缆单根敷设于空气中情况。

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技术参数 Technical Date

额定电压 Nominal voltage	U=600,1000/2000VAC
成品电压测试 Voltage test on completed cable	U=600,1000/2000VAC
环境温度 Ambient temperature	-40℃~+90℃
使用寿命 Service life	>25 年（-40℃~+90℃）
稳定因素 Stability factor	UL854
相对介电常数 Relative permittivity	UL854
耐酸碱测试 Resistance against acid and alkaline solution	UL854
冷弯实验 Cold bending test	UL854
耐日光测试 Weathering/U- resistance	UL2556
阻燃测试 Test under fire conditions	UL1581 VW-1

TÜV PV1-F&UL PV 双认证 Dual Certification

产品认证 Approvals

PV1-F/PV 1X1.5mm² ~35mm² （16AWG~2AWG）（全系列）Multiple color



结构 Construction	导体结构 Conductor Construction	绞合外径 Conductor Outer	成品外径 Cable Outer	最大电阻 Resistance Max.	载流量 Current Carring Capacity AT 60℃
mm ² /AWG	nxmm	mm	mm	Ω /Km	A
1X1.5/16#	30X0.25	1.58	4.65	13.7	30
1X2.5/14#	47X0.25	1.98	5.20	8.21	41
1X4.0/12#	56X0.283	2.35	5.60	5.09	55
1X6.0/10#	84X0.283	3.06	6.30	3.39	70
1X10/8#	142X0.3	4.60	9.80	1.95	98
1x16/6#	228X0.3	5.60	11.00	1.24	132
1x25/4#	361X0.3	6.95	12.40	0.795	176
1x35/2#	494X0.3	8.30	13.90	0.565	218

载流量为电缆单根敷设于空气中情况。

The current-carrying capacity is under the situation of laying the single cable in air.

技术参数 Technical Date

额定电压 Nominal voltage	直流（DC）:1.5KV 交流（AC）:1.0/1.0KV
成品电压测试 Voltage test on completed cable	交流（AC）:6.5KV 直流（DC）:15KV,5MIN
环境温度 Ambient temperature	-40℃~+90℃
热寿命试验 Thermal endurance properties	+120℃,2000h 断裂伸长率 elongation at break≥50%
使用寿命 Service life	>25 年（-40℃~+90℃）
参考短路允许温度 Refer toshortcirauit allows the temperature	200℃,5 秒（S）
弯曲半径 Bending radius	≥4×φ (D<8M),≥6×φ (D≥8MM)
耐酸碱测试 Resistance against acid and alkaline solution	EN60811-2-1
冷弯实验 Cold bending test	EN60811-1-4/UL854
耐日光测试 Weathering/U- resistance	HD605/A1/UL2556
成品电缆耐臭氧测试 O-zone resistance at complete cable	EN50396
阻燃测试 Test under fire conditions	EN60332-1-2/UL1581 VW-1

EN H1Z2Z2-K&UL PV 双认证 Dual Certification

产品认证 Approvals

TÜV EN 50618-2014 H1Z2Z2-K 1X1.5mm² ~35mm² （16AWG~2AWG）（全系列）Multiple color

护套: 辐照交联聚烯烃 Jacket: Electron-beam cross-linked material 绝缘: 辐照交联聚烯烃 Insulation: Electron-beam cross-linked material 导体: 绞合镀锡铜丝 Conductor: Tinned Copper 					
结构 Construction	导体结构 Conductor Construction	绞合外径 Conductor Outer	成品外径 Cable Outer	最大电阻 Resistance Max.	载流量 Current Carring Capacity AT 60℃
mm ² /AWG	nxmm	mm	mm	Ω /Km	A
1X1.5/16#	30X0.25	1.58	4.65	13.7	30
1X2.5/14#	47X0.25	1.98	5.20	8.21	41
1X4.0/12#	56X0.283	2.35	5.60	5.09	55
1X6.0/10#	84X0.283	3.06	6.30	3.39	70
1X10/8#	142X0.3	4.60	9.80	1.95	98
1x16/6#	228X0.3	5.60	11.00	1.24	132
1x25/4#	361X0.3	6.95	12.40	0.795	176
1x35/2#	494X0.3	8.30	13.90	0.565	218

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成品电压测试 Voltage test on completed cable	交流（AC）:6.5KV 直流:15KV,5MIN
环境温度 Ambient temperature	-40℃~+90℃
导体最高温度 Max. Temperature at conductor	+120℃
使用寿命 Service life	>25 年（-40℃~+90℃）
参考短路允许温度 Refer toshortcirauit allows the temperature	200℃,5 秒（S）
弯曲半径 Bending radius	≥4×φ (D<8M), ≥6×φ (D≥8MM)
耐酸碱测试 Resistance against acid and alkaline solution	EN60811-2-1
冷弯实验 Cold bending test	EN60811-1-4
耐日光测试 Weathering/U- resistance	HD605/A1
成品电缆耐臭氧测试 0 zone resistance at complete cable	EN50396
阻燃测试 Test under fire conditions	EN60332-1-2

TÜV PV1-F 双并线 TWIN CABLE

产品认证 Approvals

TÜV 2PFG 1169 PV1-F 2X1.5mm² ~10mm² （全系列）Multiple color

护套: 辐照交联聚烯烃 Jacket: Electron-beam cross-linked material 绝缘: 辐照交联聚烯烃 Insulation: Electron-beam cross-linked material 导体: 绞合镀锡铜丝 Conductor: Tinned Copper 					
结构 Construction	导体结构 Conductor Construction	绞合外径 Conductor	成品外径 Outer	最大电阻 Oesistance Max.	载流量 Current Carring Capacity AT 60℃
mm ²	nxmm	mm	mm	Ω /Km	A
2X1.5	30X0.25	1.58	4.9	13.7	30
2X2.5	48X0.25	2.02	5.45	8.21	41
2X4.0	56X0.3	2.35	6.10	5.09	55
2X6.0	84X0.3	3.20	7.20	3.39	70
2X10	142X0.3	4.60	9.00	1.95	98

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成品电压测试 Voltage test on completed cable	交流（AC）:6.5KV 直流:15KV,5MIN
环境温度 Ambient temperature	-40℃~+90℃
导体最高温度 Max. Temperature at conductor	+120℃
使用寿命 Service life	>25 年（-40℃~+90℃）
参考短路允许温度 Refer toshortcirauit allows the temperature	200℃,5 秒（S）
弯曲半径 Bending radius	≥4×φ (D<8M), ≥6×φ (D≥8MM)
耐酸碱测试 Resistance against acid and alkaline solution	EN60811-2-1
冷弯实验 Cold bending test	EN60811-1-4
耐日光测试 Weathering/U- resistance	HD605/A1
成品电缆耐臭氧测试 0 zone resistance at complete cable	EN50396
阻燃测试 Test under fire conditions	EN60332-1-2

产品包装 PRODUCT PACKAGING



1.空心卷包装Reel package
50m/Roll,100m/Roll,250m/Roll,500m/Roll.
2.木盘包装 Durm package plus pallet
1000m/P,2000m/P,4000m/P.

3.塑料盘包装+木箱 Durm mounted,packed in wooden cases 1
100m/P,200m/P.
4.塑料盘包装+木托 The pallet placed multiple drum
100m/P,200m/P.