TÜV 2 pfg 1169 PV1-F H1Z2Z2-K Solar Cables

PRODUCTS PICTURES






MAIN KEYWORDS

Solar cable, PV1-F cable, photovoltaic solar cable, H1Z2Z2-K solar cable, TÜV 2 pfg 1169 solar cable

APPLICATION CHARACTERISITCS

Photovoltaic Solar H1Z2Z2-K Cable, tinned copper conductor, XLPE insulated, LSZH sheath, meet to TÜV 2 pfg 1169-08:2007. The cable is intended for use in Photovoltaic Power Supply Systems: Indoor and/or outdoor, in industrial and agriculture fields. They are suitable for applications in/at equipment with protective insulation (Protecting Class II), in explosion hazard areas and may be installed as well as fixed or freely suspended or free movable. Installation in cable trays, conduits, on and in walls is available.

PRODUCTS STRUCTURE

---Conductor Material

Flexible tinned copper wire, strand class 5.

---Insulation Material

XLPE (cross-linked polyethylene), or LSZH (low smoking zero halogen)

---Insulation Color

The color of XLPE insulation is natural, and then a color tape is added outside.

---Sheath Material

LSZH (low smoking zero halogen), flame retardant compound

---Sheath Colour

Black or others

---Core Number

Single core, 1C

---Voltage Rate (U_0/U)

0.6/1kV, 600/1000V

---Maximum Voltage (U_m)

1.8kV DC (conductor, non-earthed system, circuit not under load)

---Test Voltage

6.5kV AC according to BS EN 50395

---Working Temperature

-20℃～+90℃

---Maximum Conductor Temperature

+120 ℃ (for 20000h)

---Minimum Bending Radius

6 x Out Diameter

---Production Standard

TÜV 2 pfg 1169-08:2007, EN 50618, BS EN 50288, BS EN 60068, BS EN/IEC 61034, BS EN 60754-1/2

PRODUCTS SPECIFICATION

Cross Section Area (mm^2)	Conductor Material	Conductor Structure (pcs/mm)	XLPE Insulated Thickness (mm)	LSZH Sheathed Thickness (mm)	Refer Max. Out Diameter (mm)	Refer Net Weight (kg/km)	Max. DC Conductor Resistance at 20°C (Ω/km)	Refer Current Rating in ground (A)
1x2.5	Tinned copper	84/0.19	0.7	0.8	5.0	45	8.21	41
1 x 4	Tinned copper	58/0.29	0.7	0.8	5.4	60	5.09	55
1 x 6	Tinned copper	84/0.29	0.7	0.9	6.7	90	3.39	70
1 x 10	Tinned copper	336/0.20	0.8	1.0	8.4	150	1.95	98
1 x 16	Tinned copper	504/0.20	0.8	1.0	9.5	215	1.24	132
1 x 25	Tinned copper	798/0.20	0.8	1.0	10.9	310	0.795	176

REMARK

---The above information is for the reference only, the formal technical data, please refer the actual product.
---The product can have flame retardant, fire-resistant or Low Smoking Zero Halogen properties, but the production process, materials and production standard maybe has a few of different.
---For the multi-core YJV_{32} cable, according to the practice, the common specification is 50～300 mm^2.
---The OEM or OBM service will be accepted, but the customer should be provided the authorization letter to us in advance, and the authorization letter must be true and valid.
---Hante Cable: Embrace New Times, Co-create Xintiandi; Focus on Quality, Foremost Service.
---Hante Cable: Good Material, Reasonable Weight, Enough Length, well-known brand wins your trust.