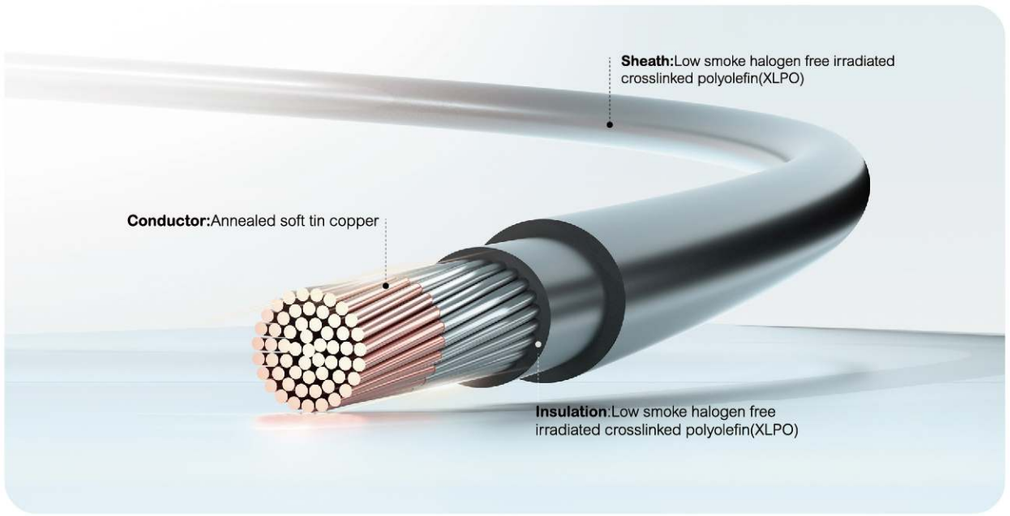


Product Characteristics

Technical Parameters

- Rated voltage: U0/U1.0/1.0KV(AC) 1500V(DC)
- Test voltage: AC6.5KV/5min(20°C±0.5)
  Or DC15KV/5min(20°C±0.5) without breakdown
- Ambient temperature: -40°C~+90°C
- Conductor maximum temperature: 120°C
- Expected service life: 25 years
- Bending radius: ≥4D

Features and compliance

- Fire resistance: EN 60332-1-2
- Weathering/UV resistance: EN 50289-4-17/ENISO4892
- Halogen determination: EN 50525
- Salt Spray Emission: IEC 61034
- Compliance: ROHS TUV
- Compliance: EN 50218:2014/1EC 60930:2017

Cable structure

- Conductor: EN 50618 Type 5 tinned copper flexible conductor
- Insulation: 125°C irradiation cross-linked low smoke halogen-free flame retardant polyolefin
- Sheath: 125°C irradiation cross-linked low smoke halogen-free flame retardant polyolefin
- Color: Red or black

DC cables

- H1Z2Z2-K

TÜVRheinland RoHS TIER 1 CPR certificate approved

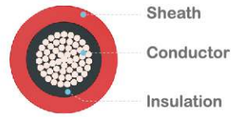


H1Z2Z2-K

TUV Single Core Solar Cable EN50618/IEC62930

TÜVRheinland RoHS





Structural dimensions and parameters

Model	Specification mm²	Insulation nominal thickness mm	Sheath nominal thickness mm	Approximate outer diameter of finished product mm	Maximum DC resistance of conductor at 20°C Ω/km	Minimum insulation resistance at 90°C m Ω/km
H1Z2Z2-K	1.5	0.7	0.8	4.6	13.7	0.86
H1Z2Z2-K	2.5	0.7	0.8	5.0	8.21	0.69
H1Z2Z2-K	4.0	0.7	0.8	5.55	5.09	0.58
H1Z2Z2-K	6.0	0.7	0.8	6.15	3.39	0.50
H1Z2Z2-K	10	0.7	0.8	7.4	1.95	0.42
H1Z2Z2-K	16	0.7	0.9	8.52	1.24	0.34
H1Z2Z2-K	25	0.9	1.0	10.6	0.795	0.34
H1Z2Z2-K	35	0.9	1.1	12.5	0.565	0.29
H1Z2Z2-K	50	1.0	1.2	14.2	0.393	0.27
H1Z2Z2-K	2X1.5	0.7	0.8	4.6X9.7	13.7	0.86
H1Z2Z2-K	2X2.5	0.7	0.8	5.0X10.5	8.21	0.69
H1Z2Z2-K	2X4.0	0.7	0.8	5.55X11.6	5.09	0.58
H1Z2Z2-K	2X6.0	0.7	0.8	6.15X12.8	3.39	0.50
H1Z2Z2-K	2X10	0.7	0.8	7.4X15.3	1.95	0.42

Reference table for quick selection of carrying capacity

Cross-sectional area mm² Copper conductor	Recommended value of carrying ampacity (A) Laying in the air	Maximum conductor resistance at 20°C (Ω/km)
0.5	30	40.1
0.75	41	26.7
1.0	55	20.0
1.5	70	13.7
2.5	98	8.21
4	132	5.09
6	176	3.39
10	218	1.95
16	276	1.24
25	24	0.795
35	33	0.565
50	44	0.393

Note: Ambient temperature 30°C; conductor maximum temperature 90°C