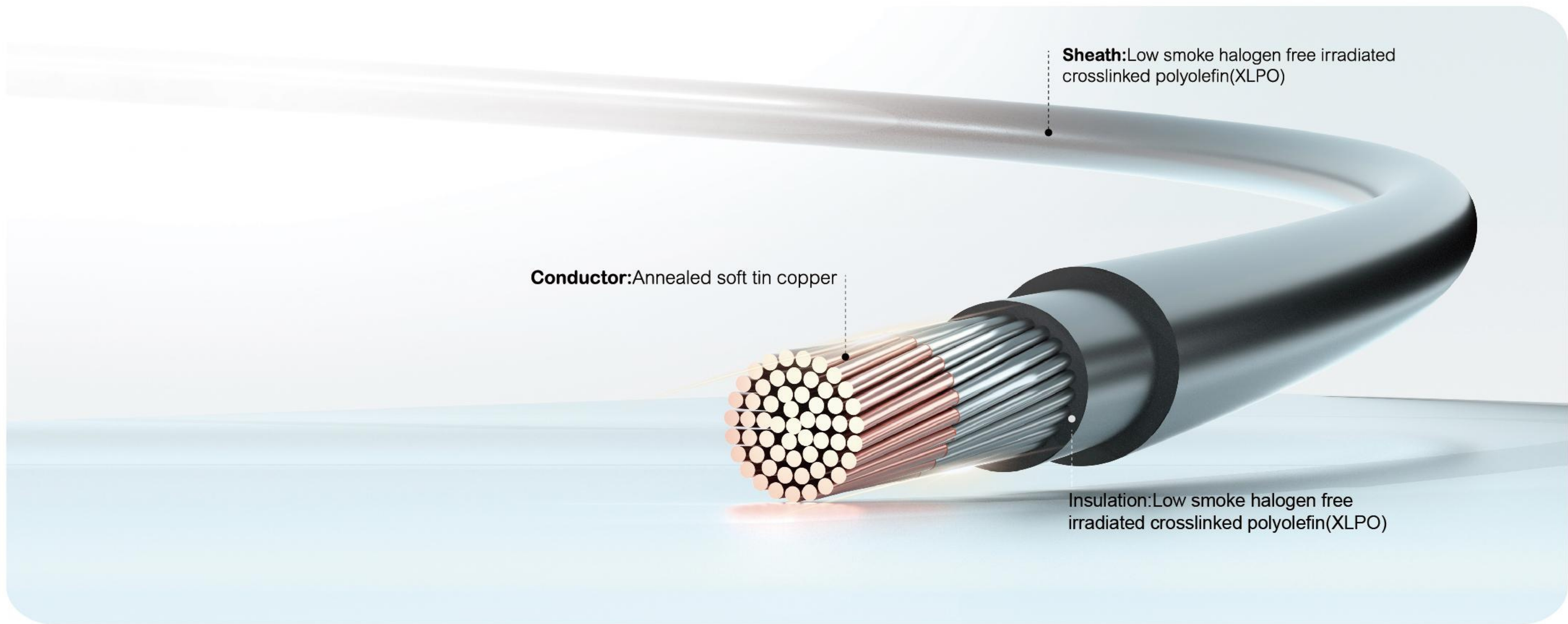


H1Z2Z2-K DC CABLES



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

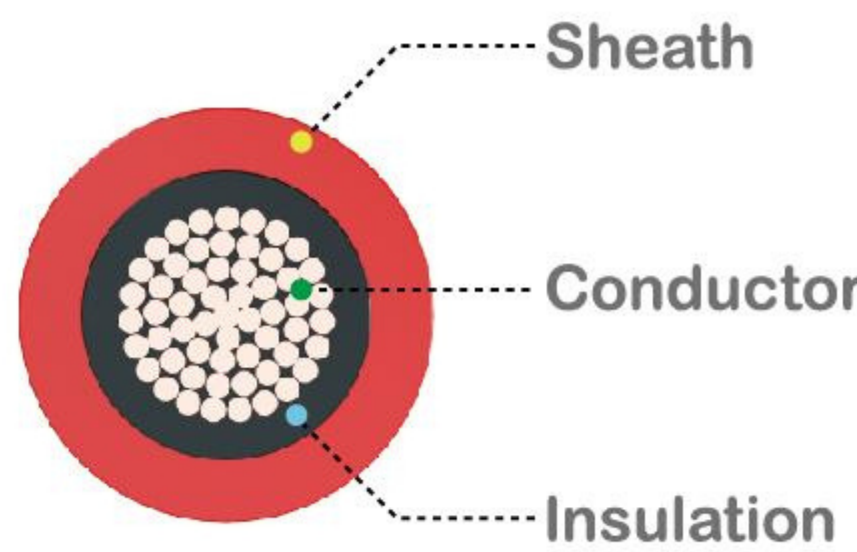
- Fire resistance: EN 60332-1-2
- Weathering/UV resistance: EN 50289-4-17/ENISO4892
- Halogen determination: EN 50525
- Salt Spray Emission: IEC 61034
- Compliance: ROHS TUV
- Compliance: EN 50218:2014/IEC 60930:2017

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

H1Z2Z2-K

Tuv single core solar cable en50618/iec62930



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*1.5	0.70	0.80	4.60	13.70	0.86
H1Z2Z2-K	1*2.5	0.70	0.80	5.00	8.21	0.69
H1Z2Z2-K	1*4	0.70	0.80	5.65	5.09	0.58
H1Z2Z2-K	1*6	0.70	0.80	6.15	3.39	0.5
H1Z2Z2-K	1*10	0.70	0.80	7.40	1.95	0.42
H1Z2Z2-K	1*16	0.70	0.90	8.52	1.24	0.34
H1Z2Z2-K	1*25	0.90	1.00	10.60	0.795	0.34
H1Z2Z2-K	1*35	0.90	1.10	12.50	0.565	0.29
H1Z2Z2-K	1*50	1.00	1.20	14.20	0.393	0.27
H1Z2Z2-K	1*70	1.10	1.20	15.25	0.277	0.25
H1Z2Z2-K	1*95	1.10	1.30	17.90	0.210	0.22
H1Z2Z2-K	1*120	1.20	1.30	18.90	0.164	0.21
H1Z2Z2-K	1*150	1.40	1.40	21.00	0.132	0.21
H1Z2Z2-K	1*185	1.60	1.60	25.00	0.108	0.20
H1Z2Z2-K	2*16	0.70	0.80	8.6*17.15	1.24	0.34

Current carrying capacity according to method of installation

Cross-sectional area mm²	Recommended value of carrying ampacity (A)
Copper conductor	Single cable free in air
1*1.5	30
1*2.5	41
1*4	55
1*6	70
1*10	98
1*16	132
1*25	176
1*35	218
1*50	276
1*70	347
1*95	416
1*120	488
1*150	566
1*185	644
2*16	132