


SPECIFICATION

Type	1×6.0 mm ² DC 1500V
Product Standard	EN50618:2014
Conductor	Stranded tinned copper (IEC 60228 Class 5) 84/0.285mm (mix- 0.277mm max0.293mm)
Stranded OD	3.0mm
InnerInsulation	Halogen free crosslinked polyolefin Color: Black
ID	4.5±0.15mm
OuterInsulation	Halogen free cross- linked polyolefin Color: Black/Red
OD	6.3±0.2m

PROPERTIES

Maximum resistance of conductor at 20°C	≤3.39Ω/km
Insulation resistance at 20°C	≥ 500 MΩ·km
Insulation resistance at 90°C	≥ 0.50 MΩ·km
Surface resistance of sheath	≥109Ω
Voltage test of finished cable	AC 6.5KV 5min, No break
DC Voltage test of insulation	1800V, 240h(85°C, 3%NaCl) No break
Tensile strength of insulation	≥10.3Mpa
Elongation of insulation	≥125%
Tensile strength of sheath	≥10.3Mpa
elongation of sheath	≥125%
Shrinkage resistant	≤2%
Acid and alkali resistant	EN60811-404
UV resistant	EN60811/403/EN50396-8.1.3
Dynamic penetrate force	EN 50289-4-17
(-40°C,16h) Winding at low temperature	EN 50618-Annex D
(40°C,16h) Impact at low temperature	EN 60811-504
Fire performance	EN 60811-506
Cland Br Content	IEC60332-1-2
Thermal endurance Test	EN 50618
Appliction	EN60216-1,EN60216-2, TI120

APPLICATION

Suited for connecting photovoltaic system components inside and outside of buildings and equipment

Rating voltage	EN:DC1500V AC1000V
Working temperature	-40~90°C
Max. conductor temperature	120°C
Short circuit temperature	250°C 5S
Bending radius	6xD
Life Period	≥25 years

TECHNICAL PARAMETERS

Installation Method	Free in air	Single cable on a surface	Two loaded cables touching, on a surface
Current rating Approval: EN 50618	70A	67A	57A