



Color

Insulation color:
According to the customer's requirements

Marking

NONE

Performance

Electrical Characteristics:
Min. Insulation DC Resistance (Ω.mm) 10⁹

Description

Rated Voltage (V) 60
Rated Temperature (°C) -40~105

Reference Standard
DIN 72551 & ISO 6722-1

Construction

Area(mm ²)	Stranded Bare Copper (mm Max)	Min. Thickness(mm)	Insulation Dia(mm)	Max. DC Resistance at 20°C (Ω/km)
0.35	12/0.20	0.20	1.30+/-0.10	54.40
0.50	16/0.20	0.22	1.50+/-0.10	37.10
0.75	24/0.20	0.24	1.80+/-0.10	24.70
1.00	32/0.20	0.24	2.00+/-0.10	18.50
1.50	30/0.25	0.24	2.20+/-0.15	12.70
2.50	50/0.25	0.28	2.80+/-0.15	7.60
3.00	44/0.30	0.32	3.10+/-0.15	6.15
4.00	56/0.30	0.32	3.40+/-0.15	4.71
5.00	65/0.32	0.32	3.80+/-0.15	3.94
6.00	84/0.30	0.32	4.00+/-0.15	3.14
8.00	50/0.45	0.32	4.60+/-0.15	2.32
10.00	80/0.40	0.48	5.90+/-0.20	1.82
12.00	96/0.40	0.48	6.30+/-0.20	1.52
16.00	126/0.40	0.52	7.00+/-0.25	1.16

Mechanical Characteristics:

Test Object	Insulation
Test Material	PVC
Cold Bend(-40±2°C x 4h)	No Crack
Short term heat ageing(125±3°C x 240hrs, -25±2°C x 4h)	No Crack
Fluid Compatibility Test	
Gasoline(Room Temp.X20hrs)	15%(Max. OD Change)
Diesel(Room Temp.X20hrs)	15%(Max. OD Change)
Engine Oil(50±3°C X20hrs)	15%(Max. OD Change)
Ethanol(Room Temp.X20hrs)	15%(Max. OD Change)
Power Steering fluid(50±3°C X20hrs)	30%(Max. OD Change)
Automatic transmission fluid(50±3°C X20hrs)	25%(Max. OD Change)
Engine coolant(50±3°C X20hrs)	15%(Max. OD Change)
Flame Test	<=30S

Part No.:
Packing: Customer Name:
Ref. spec No.: Rev.: 0

Revision History



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Prepared by: Pan 12-Aug-16 Table No.:TFA046 Rev.:7
Approved by: KAKA 12-Aug-16 Page 1 of 1

* Usage instruction:
Not to be used directly in corrosive environments such as strong acids and strong alkaline. not be immersed in water or in a high humidity environment.
not be exposed in the sunlight outdoor. It is suggested the wiring minimum bending radius shall be 5 times OD and more, and can not be used in strong stress conditions. The wire needs to be stored indoors, in a dry and ventilated environment. If there's some special requirements for wire , please contact with our sales .
When customers purchase our products,they should test to verify whether the products is applicable to the usage.