

Railway circuit signal cable

Railway circuit signal cable application

This product is suitable for signal transmission of rated voltage AC 500V or DC 1000V and below, or fixed laying cable of some automatic device. It can also be used to synchronize Link (SYA) outside the control cable.

Code design

Railway circuit signal cable..... PG
Copper conductor..... T(Omitted)
PVC insulated..... Y
Copper tape shield..... P2
PVC outer sheathed..... 03
Aluminum bonded integrated sheath..... A
Al sheath..... L
Steel tape armored PE sheathed 23

Cable cores represents the cable specification.

Railway circuit signal cable service condition

- 1, cable using ambient temperature -20 ~ +70 °C.
- 2, Cable conductor long time allowable working temperature should not exceed 70 °C.
- 3, The ambient temperature should not be lower than -10 °C.
- 4, shielded cable can be used to set the shield electrified track circuit section.
- 5, aluminum-sheathed cable with good shielding effect can be used for trunk segments of electrified track circuit or strong electrical interference region.
- 6, cable bending radius: non-armored cable should be not less than 10 times the cable diameter; armored cable should be not less than 15 times the cable diameter.

Railway circuit signal cable Technical performance

- 1) soft round copper wire nominal diameter of 1.4mm, complies with GB3953 .
- 2) the use of halogen-free polyethylene plastic insulated and made of red, green, white, blue four colors.
- 3) the above line group of four different colors insulated cores twisted star quads, four-wire stranding pitch different groups around the sparse ribbons of different colors to distinguish between non-hygroscopic .
- 4) cable core
 - a) In addition to the four core cable, the cable core stranding other specifications are the right direction to the adjacent layers twisted in the opposite .
 - b) A cable end line group compliance Q/321023KLA65-2001 sort of .
 - c) compliance with GB/13849.3 cable core wrapped with water blocking provisions of polyester fibers, then coated with flame-retardant glass ribbon.
 - d) within the cable core used in flame retardant glass filler wire rope .

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5) the use of longitudinally shielded longitudinally with copper layer thickness of 0.1mm copper plastic composite with different performance requirements according to the cable , the aluminum layer with a thickness of 0.2mm aluminum composite or aluminum sheath.

PE inner sheath - low smoke , halogen-free , flame retardant PE material

Armor - used in line with the provisions of GB4175 galvanized steel with a nominal thickness of 0.3mm

PE outer sheath - low smoke , halogen-free , flame-retardant PE sheathing

Railway circuit signal cable Model

Model	Name
DWZR-PGYP2/23	Copper core polyolefin insulated copper tape shield steel tape armored PE outer sheath LSZH railway circuit signal cable
DWZR-PGYA23	Copper core Polyolefin insulated integrated sheathing steel tape armored polyethylene outer sheath LSZH railway circuit signal cable
DWZR-PGY23	Copper core Polyolefin insulated steel tape armored polyethylene outer sheath LSZH railway circuit signal cable
DWZR-PGY03	Copper core Polyolefin insulated polyethylene outer sheath LSZH railway circuit signal cable
DWZR-PGYL23	Copper core Polyolefin insulated Al sheath steel tape armored polyethylene outer sheath LSZH railway circuit signal cable
DWZR-PGYP2/03	Copper core Polyolefin insulated copper tape shield polyethylene outer sheath LSZH railway circuit signal cable
DWZR-PGYA	Copper core Polyolefin insulated integrated sheathed LZSH railway circuit signal cable