



TECHNICAL SPECIFICATION

Khorasan Electric Ind. Co.



Power Cable 3 x 6 (N)YY-J

P.V.C - insulated & Sheathed, Multi-Core Cable with Conductor Type NYY, 0.6/1 KV ACC(INSO 3569-1)

Cable Layer Construction

CU , PVC , PVC , PVC

LV

Applicable Standard(s)

IEC 60502-1 & INSO 3569-1 & IEC 60228 & DIN VDE 0271

| Description | | Unit | Specification | |
|---|--------------------------------|-----------------|-----------------------|----------|
| CONDUCTOR | Material | **** | Plain Annealed Copper | |
| | TYPE | **** | Solid (Class 1) RE | |
| | No.of core & Conductor Area | L | no (mm ²) | 1 x 6 |
| | | N | | 1 x 6 |
| | | PE | | 1 x 6 |
| | No & Dia of Wire | L | no (mm) | 1 x 2.72 |
| | | N | | 1 x 2.72 |
| PE | | 1 x 2.72 | | |
| Shape | **** | ROUND | | |
| INSULATION | Material | **** | Extruded PVC | |
| | Thickness | L | 1.0 | |
| | | N | 1.0 | |
| | | PE | 1.0 | |
| Colour | L:Black,N:Blue,PE:Green;Yellow | | | |
| Filler | Material | **** | Extruded PVC | |
| | Thickness | mm | 1.0 | |
| Outer Sheath | Material | **** | Extruded PVC | |
| | Thickness | mm | 1.8 | |
| | Colour | **** | Black | |
| Overall diameter (Approx.) | | mm | 15.8 | |
| Cable Weight (Approx.) | | Kg / km | 445 | |
| Packing | | **** | Drum | |
| Rated Voltage Uo/U (Um) | | KV | 0.6 / 1 (1.2) | |
| System Frequency | | Hz | 50 | |
| DC conductor resistant At 20 °C | | Ω/ Km | 3.08 | |
| Conductor Short Circuit Current (1 Sec) | | KA | 0.666 | |
| Test voltage | | KV | 4 | |
| Max.Short circuit withstand current temperature | | °C | + 160 | |
| OPeration temperature | | °C | - 30 to +70 | |
| Special Proerties | | Flame Retardant | IEC 60332-1-2 | |

(افشار نژاد) KHORASAN ELECTRIC IND.CO ISIRI3569-1 6932568916 0.6 /1KV NYY-J 3x6 mm2 RE MADE IN IRAN CE

| | | | | | |
|------|---------------------------|--------|--------------------------|--------|--|
| CU | Copper | PET | Polyester Tape | CWC+CT | Concentric Copper Wire Conductor+Copper Tape |
| TiCu | Tinned Copper | Al-PET | Aluminum Polyester Tape | CWS+CT | Concentric Copper Wire Screen+Copper Tape |
| MGT | Mica Glass Tape | CU-PET | Copper Polyester Tape | SWA | Steel Wire Armour |
| PVC | Polyvinyl Chloride | TDW | Tinned Drain Wire | SWB | Steel Wire Braid |
| PE | Polyethylene | CWB | Copper Wire Braid | DTA | Double Tape Armour |
| XLPE | Cross Linked Polyethylene | TCWB | Tinned Copper Wire Braid | LSPVC | Low Smoke PVC |
| SR | Silicone Rubber | OSCR | Overall Screen | LSFOH | Low Smoke Free Of Halogen |