



TECHNICAL SPECIFICATION

Khorasan Electric Ind. Co.



Power Cable 3 x 25+16 (N)YY-O

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 | CU | Material | | **** | Plain Annealed Copper |
| | | TYPE | | **** | Stranded (Class 2) RM |
| | | No.of core & Conductor Area | L | no (mm ²) | 3 x 25 |
| | | | N | | 1 x 16 |
| | | | PE | | 0 |
| | | No & Dia of Wire | L | no (mm) | 7 x 2.1 |
| | | | N | | 7 x 1.68 |
| PE | 0 | | | | |
| Shape | | **** | Round | | |
| INSULATION | PVC | Material | | **** | Extruded PVC |
| | | Thickness | L | mm | 1.2 |
| | | | N | | 1.0 |
| | | | PE | | 0.0 |
| Colour | | **** | L:Black,Yellow,Red,N:Blue | | |
| Filler | PVC | Material | | **** | Extruded PVC |
| | | Thickness | | mm | 1.0 |
| Outer Sheath | PVC | Material | | **** | Extruded PVC |
| | | Thickness | | mm | 1.8 |
| | | Colour | | **** | Black |
| Overall diameter (Approx.) | | | mm | 25.7 | |
| Cable Weight (Approx.) | | | Kg / km | 1,460 | |
| Packing | | | **** | Drum | |
| Rated Voltage Uo/U (Um) | | | KV | 0.6 / 1 (1.2) | |
| System Frequency | | | Hz | 50 | |
| DC conductor resistant At 20 °C | L | Ω/ Km | 0.727 | | |
| | N | | 1.15 | | |
| Conductor Short Circuit Current (1 Sec) | | | KA | 2.78 | |
| 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 مشهد) KHORASAN ELECTRIC IND.CO INSO 3569-1 6932568916 0.6 /1KV NYY-O 3x25+16 mm2 RM 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 |

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