



TECHNICAL SPECIFICATION



# Khorasan Electric Ind. Co.



## Power Cable 3 x 50 (N)YY-O Flexible (0.6/1KV)

P.V.C - insulated & Sheathed, Multi-Core Cable with Flexible Conductor Type NYY-F, 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                        |                 | ****                  | Flexible ( Class 5 ) RF |
|   |  | No.of core & Conductor Area | L               | no (mm <sup>2</sup> ) | 2 x 50                  |
|   |  |                             | N               |                       | 1 x 50                  |
|   |  |                             | PE              |                       | 0                       |
|   |  | No & Dia of Wire            | L               | no (mm)               | 384 x 0.39              |
|   |  |                             | N               |                       | 384 x 0.39              |
| PE  | 0  |                             |                 |                       |                         |
| Shape   |  | ****                        | ROUND           |                       |                         |
| INSULATION                                      | PVC  | Material                    |                 | ****                  | Extruded PVC            |
|   |  | Thickness                   | L               | mm                    | 1.4                     |
|   |  |                             | N               |                       | 1.4                     |
|   |  |                             | PE              |                       | 0.0                     |
| Colour  |  | L:Black,Brown ,N:Blue       |                 |                       |                         |
| Filler  | PVC  | Material                    |                 | ****                  | Extruded PVC            |
|   |  | Thickness                   |                 | mm                    | 1.2                     |
| Outer Sheath                                    | PVC  | Material                    |                 | ****                  | Extruded PVC            |
|   |  | Thickness                   |                 | mm                    | 2.0                     |
|   |  | Colour                      |                 | ****                  | Black                   |
| Overall diameter ( Approx. )                    |  |                             |                 | mm                    | 33.1                    |
| Cable Weight ( Approx. )                        |  |                             |                 | Kg / km               | 2,350                   |
| Packing   |  |                             |                 | ****                  | Drum                    |
| Rated Voltage U <sub>0</sub> /U (Um)            |  |                             |                 | KV                    | 0.6 / 1 (1.2)           |
| System Frequency                                |  |                             |                 | Hz                    | 50                      |
| DC conductor resistant At 20 °C                 |  |                             |                 | Ω/ Km                 | 0.386                   |
| Conductor Short Circuit Current ( 1 Sec )       |  |                             |                 | KA                    | 5.55                    |
| 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 INSO3569-1 6932568916 0.6 /1KV NYY-O 3x50 mm<sup>2</sup> RF FLEXIBLE 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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