



# شرکت صنعتی الکتریک خراسان (سهامی خاص)

## Khorasan Electric Ind. Co.



### Power Cable 3 x 185 (N)YRY

PVC - insulated & PVC- Sheathed , Multi-Core Cable with Conductor Type N2XRY, 0.6/1 KV ACC( ISIRI 3569-1)

|                                                                                              |                                                       |                             |                             |                 |                              |
|----------------------------------------------------------------------------------------------|-------------------------------------------------------|-----------------------------|-----------------------------|-----------------|------------------------------|
| Cable Layer Construction                                                                     | CU , PVC , PVC , SWA , Pet-Tape , PVC                 |                             |                             |                 | LV                           |
| Applicable Standard(s)                                                                       | IEC 60502-1 & ISIRI 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 (mm²)        | 1 x 185                      |
|                                                                                              |                                                       |                             | N                           |                 | 1 x 185                      |
|                                                                                              |                                                       |                             | PE                          |                 | 1 x 185                      |
|                                                                                              |                                                       | No & Dia of Wire            | L                           | no (mm)         | 37 x 2.54                    |
|                                                                                              |                                                       |                             | N                           |                 | 37 x 2.54                    |
|                                                                                              |                                                       |                             | PE                          |                 | 37 x 2.54                    |
| Shape                                                                                        |                                                       | ****                        | Round                       |                 |                              |
| INSULATION                                                                                   | PVC                                                   | Material                    |                             | ****            | Extruded PVC                 |
|                                                                                              |                                                       | Thickness                   | L                           | mm              | 2.0                          |
|                                                                                              |                                                       |                             | N                           |                 | 2.0                          |
|                                                                                              |                                                       |                             | PE                          |                 | 2.0                          |
| Colour                                                                                       |                                                       | ****                        | L:Black,N:Blue,Yellow:Green |                 |                              |
| Bedding                                                                                      | PVC                                                   | Material                    |                             | ****            | Extruded PVC                 |
|                                                                                              |                                                       | Thickness                   |                             | mm              | 1.4                          |
| Armoured                                                                                     | SWA                                                   | Material                    |                             | ****            | Galvanized Steel Wire Armour |
|                                                                                              |                                                       | No & Dia of Wire            |                             | mm              | 51 x 2.5                     |
| Core wrap                                                                                    | Pet-tape                                              | Material                    |                             | ****            | Polyester Tape               |
| Outer Sheath                                                                                 | PVC                                                   | Material                    |                             | ****            | Extruded PVC                 |
|                                                                                              |                                                       | Thickness                   |                             | mm              | 2.6                          |
|                                                                                              |                                                       | Colour                      |                             | ****            | Black                        |
| Overall diameter ( Approx. )                                                                 |                                                       |                             |                             | mm              | 51                           |
| Cable Weight ( Approx. )                                                                     |                                                       |                             |                             | Kg / km         | 8,300                        |
| 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           | 0.0991                       |
|                                                                                              |                                                       |                             | N                           |                 | 0.0991                       |
| Condoctor Short Circuit Current ( 1 Sec )                                                    |                                                       |                             |                             | KA              | 26.5                         |
| 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                |
| KHORASAN ELECTRIC IND.CO ISIRI3569-1 6932568916 0.6 /1KV NYRY-J 3x180 mm2 RM MADE IN IRAN CE |                                                       |                             |                             |                 |                              |

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