



TECHNICAL SPECIFICATION

**Khorasan Electric Ind. Co.**



**Cable 3 x 70+35 (NA)2XY**

| Cable Layer Construction |   | AL / XLPE / Pet-tape / PVC              |                       |                 | LV                    |           |
|--------------------------|---|---|-----------------------|-----------------|-----------------------|-----------|
| Applicable Standard(s)   |   | IEC 60502-1 & ISIRI 3569-1 & ISIRI 3084 |                       |                 |                       |           |
| R                        | Description                                     |   |                       | Unit            | Specification         |           |
| 1                        | CONDUCTOR                                       | AL                                      | Material              | ****            | Aluminum              |           |
|                          |   |   | TYPE                  | ****            | Stranded (Class 2) SM |           |
|                          |   |   | Nominal Cross Section | L               | mm <sup>2</sup>       | 3 x 70    |
|                          |   |   |                       | N               | mm <sup>2</sup>       | 1 x 35    |
|                          |   |   |                       | PE              | mm <sup>2</sup>       | 0         |
|                          |   |   | No & Dia of Wire      | L               | mm                    | 19 x 2.14 |
|                          |   |   |                       | N               | mm                    | 7 x 2.45  |
| PE                       | mm  | 0                                       |                       |                 |                       |           |
| Shape                    | ****  | SECTOR                                  |                       |                 |                       |           |
| 2                        | INSULATION                                      | XLPE                                    | Material              | ****            | Extruded XLPE         |           |
|                          |   |   | Thickness             | L               | mm                    | 1.1       |
|                          |   |   |                       | N               | mm                    | 0.9       |
| Colour                   | ****  | Yellow,Red,Black,N:Blue                 |                       |                 |                       |           |
| 3                        | CORE WRAP                                       | PET                                     | Material              | ****            | Mylar                 |           |
| 4                        | SHEATH  | PVC                                     | Material              | ****            | Extruded PVC          |           |
|                          |   |   | Thickness             | mm              | 1.9                   |           |
|                          |   |   | Colour                | ****            | Black                 |           |
| 5                        | Approx. overall diameter of cable               |   |                       | mm              | 29                    |           |
| 6                        | Approx. Weight of cable                         |   |                       | Kg/km           | 1,063                 |           |
| 7                        | Packing   |   |                       | ****            | Drum                  |           |
| 8                        | Rated Voltage U0/U (Um)                         |   |                       | Kv              | 0.6/1 (1.2)           |           |
| 9                        | System Frequency                                |   |                       | Hz              | 50                    |           |
| 10                       | DC conductor resistant At 20 °C                 |   |                       | Phase           | Ω/ Km                 | 0.443     |
|                          |   |   |                       | Null            |                       | 0.868     |
| 11                       | Short circuit withstand current / time5s        |   |                       | KA              | 2.9                   |           |
| 12                       | Cable Voltage test                              |   |                       | KV              | 4                     |           |
| 13                       | Max.Short circuit withstand current temperature |   |                       | °C              | + 250                 |           |
| 14                       | Operation temperature                           |   |                       | °C              | -5 to +90             |           |
| 15                       | Special Proerties                               |   |                       | Flame Retardant | IEC 60332-1-2         |           |

(افشارنژاد) KHORASAN ELECTRIC IND.CO ISIRI3569-1 6932568916 0.6/1KV NA2XY-O 3x70/35 mm2 SM MADE IN IRAN CE