




**Cable Type** : FLEXIBLE CABLES WITH CROSSLINKED ELASTOMERIC INSULATION



CERTIFICATE/APPROVAL



### **CABLE DESCRIPTION**

| <b>CONSTRUCTION</b>   |  |
|---|--|
| STANDARD  | : EN 50525-2-21  |
| ( 1 ) CONDUCTOR   | : Class 5 flexible copper conductor according to EN 60228  |
| ( 2 ) INSULATION  | : EPR (Ethylene Propylene Rubber) Type EI7   |
| ( 3 ) SHEATH  | : HOFR CSP (Heat and Oil Resistant and Flame Retardant Chlorosulphonated Polyethylene) Type EM7  |
| <b>CHARACTERISTICS</b>  |  |
| OPERATING TEMPERATURE   | : -25°C / +90 °C   |
| MAX. SHORT CIRCUIT TEMPERATURE  | : 250 °C (max. 5 sec.)   |
| NOMINAL VOLTAGE   | : 450 / 750 V  |
| TEST VOLTAGE  | : 2500 V   |
| MINIMUM BENDING RADIUS  | : 6 x Ø up to 25 mm <sup>2</sup><br>8 x Ø above 25 mm <sup>2</sup>   |
| <b>SHEATH COLOUR</b>  |  |
|  Black   |  |
| <b>FLAME RETARDANT</b>  |  |
| IEC 60332-1-2   |   |
| <b>APPLICATIONS</b>   |  |
| Flexible rubber cable with high temperature resistance suitable for most industrial applications such as connecting equipment. The mains supply and generally for use in arduous industrial environments where good flexibility and resistance to mechanical abrasion is essential. |  |



**CABLE DIAMETERS**

| NUMBER AND NOMINAL<br>CROSS-SECTIONAL<br>AREA OF CONDUCTORS | THICKNESS OF<br>INSULATION<br>SPECIFIED VALUE | THICKNESS OF<br>SHEATH<br>SPECIFIED VALUE | MEAN OVERALL DIMENSIONS |                    | MAX. RESISTANCE<br>at 20°C |
|---|---|---|-------------------------|--------------------|----------------------------|
|   |   |   | LOWER LIMIT $\phi$      | UPPER LIMIT $\phi$ |                            |
| mm <sup>2</sup>   | mm  | mm  | mm                      | mm                 | $\Omega$ /km               |
| <b>H07BN4-F</b>   |   |   |                         |                    |                            |
| 1 x 1,5   | 0,80  | 1,40                                      | 5,70                    | 7,10               | 13,30                      |
| 1 x 2,5   | 0,90  | 1,40                                      | 6,30                    | 7,90               | 7,98                       |
| 1 x 4   | 1,00  | 1,50                                      | 7,20                    | 9,00               | 4,95                       |
| 1 x 6   | 1,00  | 1,60                                      | 7,90                    | 9,80               | 3,30                       |
| 1 x 10  | 1,20  | 1,80                                      | 9,50                    | 11,90              | 1,91                       |
| 1 x 16  | 1,20  | 1,90                                      | 10,80                   | 13,40              | 1,21                       |
| 1 x 25  | 1,40  | 2,00                                      | 12,70                   | 15,80              | 0,780                      |
| 1 x 35  | 1,40  | 2,20                                      | 14,30                   | 17,90              | 0,554                      |
| 1 x 50  | 1,60  | 2,40                                      | 16,50                   | 20,60              | 0,386                      |
| 1 x 70  | 1,60  | 2,60                                      | 18,60                   | 23,30              | 0,272                      |
| 1 x 95  | 1,80  | 2,80                                      | 20,80                   | 26,00              | 0,206                      |
| 1 x 120   | 1,80  | 3,00                                      | 22,80                   | 28,60              | 0,161                      |
| 1 x 150   | 2,00  | 3,20                                      | 25,20                   | 31,40              | 0,129                      |
| 1 x 185   | 2,20  | 3,40                                      | 27,60                   | 34,40              | 0,106                      |
| 1 x 240   | 2,40  | 3,50                                      | 30,60                   | 38,30              | 0,0801                     |

*Due to variables in production, the information on this data sheet is approximate and subject to change without any notice.*

