



# FR-N07V-AR

PVC insulated conductor

## APPLICATION

For laying in pipes on top of or under plaster and in closed installation ducts and for internal wiring of machinery, switchgear and distributor systems. The cable is not suitable for direct laying under plaster

## TECHNICAL CHARACTERISTICS

CPR class: Eca  
 Test voltage: 2,5 kV  
 Rated voltage: 450/750 V  
 Bending radius (min): 6xD  
 Max. conductor temperature: 70°C  
 Max. short-circuit temperature: 160°C

## CONSTRUCTION

Conductors: Al rope, class 2  
 Insulation: PVC compound

## STANDARD

NFC 32-208

## CORE IDENTIFICATION

According to EN 50525-1

Insulation colors:

● Black ● Blue ● Brown ● Grey ● Orange ● Pink  
 ● Red ● Turquoise ● Violet ○ White ● Green/Yellow

## CERTIFICATION

**CE ezù** elektrotechnický  
 zkušební  
 ústav

**IEC** International  
 Electrotechnical  
 Commission

**RoHS**  
 compliant



| NOMINAL<br>CROSS-SECTION | MAX. RESISTANCE<br>AT 20°C | CURRENT CA-<br>PACITY<br>IN AIR AT 30°C | INSULATION<br>THICKNESS | OUTER DIAM.<br>(APPROX.) | METAL<br>WEIGHT | CABLE WEIGHT<br>(APPROX.) |
|--------------------------|----------------------------|-----------------------------------------|-------------------------|--------------------------|-----------------|---------------------------|
| mm <sup>2</sup>          | Ω/km                       | A                                       | mm                      | mm                       | kg/km           | kg/km                     |
| 1x16                     | 1,910                      | -                                       | 1,0                     | 7,2                      | 46,4            | 74,77                     |
| 1x25                     | 1,200                      | 87                                      | 1,2                     | 8,4                      | 72,5            | 114,25                    |
| 1x35                     | 0,868                      | 107                                     | 1,2                     | 9,5                      | 101,5           | 154,02                    |
| 1x50                     | 0,641                      | 131                                     | 1,4                     | 11,3                     | 145,0           | 215,76                    |
| 1x70                     | 0,443                      | 166                                     | 1,4                     | 12,6                     | 203,0           | 283,92                    |
| 1x95                     | 0,320                      | 205                                     | 1,6                     | 14,7                     | 275,5           | 382,83                    |
| 1x120                    | 0,253                      | 239                                     | 1,6                     | 16,2                     | 348,0           | 465,61                    |
| 1x150                    | 0,206                      | 273                                     | 1,8                     | 18,1                     | 435,0           | 581,16                    |
| 1x185                    | 0,164                      | 317                                     | 2,0                     | 20,2                     | 536,5           | 716,33                    |
| 1x240                    | 0,125                      | 378                                     | 2,2                     | 22,9                     | 696,0           | 923,00                    |
| 1x300                    | 0,100                      | 437                                     | 2,4                     | 27,0                     | 870,0           | 1145,77                   |
| 1x400                    | 0,0778                     | 513                                     | 2,6                     | 32,0                     | 1160,0          | 1502,24                   |

