



Reference: 79465404

### CONTACT

Markets and Products Information  
rollingstock.business@lynxeogroup.com

## MULTICORES POWER CABLES

FLAMEX® EN 50264 - 3 - 2 MM multicores power and control cables are used for fixed and protected installations. This product range is recommended for narrow spaces where an optimal bending radius is required. FLAMEX® cables are designed to withstand tough working conditions (oil, ozone, temperature variation, etc.). 120 °C conductor temperature is allowed for a 20,000 hours cumulative working time.

### STANDARDS

Product EN 50264 - 3 - 2; EN 45545 - HL3; IEC 60228

### DESIGN

1. Conductor  
Flexible stranded tinned copper, class 5 acc. to IEC 60228  
Optional halogen - free separator tape
2. Insulation  
Cross - linked compound type EI 109 acc. to EN 50264 - 1
3. Outer sheath  
Cross - linked compound type EM 104 acc. to EN 50264 - 1  
Oil, diesel, ozone and UV resistant  
Colour: black

Example of marking: FLAMEX EN 50264 - 3 - 2 600V n X (G) ... (mm<sup>2</sup>)  
MM (N)HXSLOE I LYNXEO I WW - YYYY

### GUIDE TO USE

- Cabling rules are given in EN 50343 and EN 50355
- Permissible current carrying capacities: values and calculation method are given in EN 50343
- Bending radius:
  - Static use: 4 x outer cable diameter
  - For installation and occasional movements: 5 x outer cable diameter



Conductor flexibility 5



Halogen free  
EN 60754 - 1 & EN 60684 - 2



Uo/U  
0.6/ 1 (1.2) kV



IEC 60332 - 1 - 2



Fire retardant  
EN IEC 60332 - 3 - 24 (cat C); EN IEC 60332 - 3 - 25 (EN50305)



EN/IEC 61034 - 2



가  
EN 50305 - 9.2



Operating temp.  
- 40 ... 90 °C

## CHARACTERISTICS

|  |  |
|--|--|
| Conductor flexibility                      | Tin plated copper  |
|  | 5  |
| Halogen free                               | Cross - linked compound  |
|  | Cross - linked compound  |
| With Green/Yellow core                     | EN 60754 - 1 & EN 60684 - 2                                    |
|  |  |
| Minimum outer diameter                     | 4  |
|  | 4 mm <sup>2</sup>  |
| Maximum outer diameter                     | 10.9 mm  |
|  | 12.0 mm  |
| ( )  | 255 kg/km  |
|  | - mm   |
| Uo/U (Um)                                  |  |
|  | 0.6/ 1 (1.2) kV  |
| Fire retardant                             | IEC 60332 - 1 - 2  |
|  | EN IEC 60332 - 3 - 24 (cat C); EN IEC 60332 - 3 - 25 (EN50305) |
| 가  | EN/IEC 61034 - 2   |
|  | EN 50305 - 9.2   |
| 操作度范                                       | - 40 ... 90 ° C  |
|  |  |
| Chemical resistance                        | Excellent  |
| Ozone resistance                           | Yes  |
| U.V resistance                             | Yes  |
| Max. conductor temperature in service      | 90 ° C   |
| Short - circuit max. conductor temperature | 200 ° C  |