



## SHIELDED HIGH TEMPERATURE EXTRA - FLEXIBLE POWER CABLES

FLAMEX® EN 50382 - 2 FFXS shielded power cables are designed with extra flexible conductors as per jumper cables. They are used for installations where enhanced electrical screening (EMC) is required. Able to withstand higher operating temperatures, these silicone - based cables allow to save cable weight.

### STANDARDS

Product EN 45545 - 2 (HL3); EN 50382 - 2; IEC 60228

### DESIGN

1. Conductor  
Extra flexible class 6 copper according to IEC 60228
  - tinned copper for 120 ° C Class
  - plain copper for 150 ° C Class
2. Insulation  
Cross - linked silicone type EI 111 according to EN 50382 - 1  
Separator: Unweaved tape
3. Screen  
Tinned copper wire braid  
Separator: Unweaved tape
4. Outer sheath  
Cross - linked silicone type EM 107 according to EN 50382 - 1  
Colour: black outer layer

Examples of marking:  
 FLAMEX SI - EN 50382 - 2 - Voltage rate (1800V or 3600V) - cross - section mm<sup>2</sup> - FFXS - temperature class (120 ° C or 150 ° C) - Manufacturing n° - NEXANS 279 - week/year  
 DTREN 150068 - EN 50382 - 2 - 1800V - cross - section mm<sup>2</sup> - FFXS - temperature class (120 ° C) - Manufacturing n° - NEXANS 279 - week/year

### CONTACT

Markets and Products Information  
[rollingstock.business@lynxeogroup.com](mailto:rollingstock.business@lynxeogroup.com)



Conductor flexibility

6



Halogen free  
 EN 60754 - 1 & EN 60684 - 2



Uo/U  
 (Um)  
 3.6 / 6 (7.2) kV



EN 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.  
 -50 ... 120 ° C

## CHARACTERISTICS

Conductor flexibility	6
	High temperature silicone
Halogen free	High temperature silicone EN 60754 - 1 & EN 60684 - 2
	70 mm <sup>2</sup>
	11.0 mm
Braid section	- mm <sup>2</sup>
Nominal outer diameter	21.6 mm
Minimum outer diameter	20.5 mm
Maximum outer diameter	23.1 mm
( )	- kg/km
U <sub>o</sub> /U (U <sub>m</sub> )	3.6 / 6 (7.2) kV
Fire retardant	EN 60332 - 1 - 2 EN IEC 60332 - 3 - 24 (cat C); EN IEC 60332 - 3 - 25 (EN50305) EN/IEC 61034 - 2
가	EN 50305 - 9.2
操作度范	- 50 ... 120 ° C
Electro magnetic interference resistance	Yes
Max. conductor temperature in service	150 ° C
Overload maximum core temperature	170 ° C
Chemical resistance	Good