FLAMEX® EN 50382 - 2 FFXS

FLAMEX SI EN 50382 - 2 Type FFXS 3.6/6kV 1x50 120 ° C

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 ² - FFXS - temperature class (120 ° C or 150 ° C) - Manufacturing n ° - NEXANS 279 - week/year
DTREN 150068 - EN 50382 - 2 - 1800V - cross - section mm ² - FFXS - temperature class (120 ° C) - Manufacturing n ° - NEXANS 279 - week/year

CONTACT

Markets and Products Information
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Conductor flexibility
울트라 소프트 레벨 6

Halogen free
EN 60754 - 1 & EN 60684 - 2

정격전압 Uo/U (Um)
3.6 / 6 (7.2) kV

난연
EN 60332 - 1 - 2

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

연기밀도
EN/IEC 61034 - 2

유독가스
EN 50305 - 9.2

Operating temp.
- 50 ... 120 ° C

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CHARACTERISTICS

구조적 특성	
도체 재료	Tin plated copper
Conductor flexibility	울트라 소프트 레벨 6
절연	High temperature silicone
스크린	주석 도금 구리 브레이드
피복	High temperature silicone
Halogen free	EN 60754 - 1 & EN 60684 - 2
치수	
도체 단면적	50 mm ²
도체지름	9.5 mm
Braid section	- mm ²
Nominal outer diameter	19.7 mm
Minimum outer diameter	18.8 mm
Maximum outer diameter	21.2 mm
무게(근사치)	- kg/km
전기적 특성	
정격전압 Uo/U (Um)	3.6 / 6 (7.2) kV
사용 특성	
난연	EN 60332 - 1 - 2
Fire retardant	EN IEC 60332 - 3 - 24 (cat C); EN IEC 60332 - 3 - 25 (EN50305)
연기밀도	EN/IEC 61034 - 2
유독가스	EN 50305 - 9.2
操作度范	- 50 ... 120 ° C
Electro magnetic interference resistance	Yes
Max. conductor temperature in service	120 ° C
Overload maximum core temperature	140 ° C
Chemical resistance	Good