



### Applications

- Dedicated to the rolling stock industry

### Main data

- Halogen free cable type FLAMEX
- Operating temperature : -40 to + 90°C
- Compliant for use at -50°C
- Operating voltage : 300 V
- Construction according to EN 50306-4 Table 1
- Performance level
  - Extra Low temperature : -40°C
  - Extra Fuel Resistance : IRM 903

### CONSTRUCTION

① 'n' cores assembly in accordance with EN 50306-2 standart

Colour : White numbered 1 to n

② Tapes

③ Jacket : Halogen free

Colour : Black

### Reaction to fire according to EN 50306

- Flame propagation (EN 61332-2-1)
- Flame propagation – bunched cables (EN 50306)
- Evolution of HCL < 0.5% (EN 50267-2-1)
- pH >4.3 (EN 50267-2-2)
- Conductivity < 10 μS/mm (EN 50267-2-2)
- Hazard level=3 according to EN 45545-1
- Smoke emission > 70 % (EN 61034-2)
- Toxicity index of insulation < 6 (EN 50305)
- Toxicity index of sheath < 3 (EN 50305)

### NFF 16101 Category A1

- Flame propagation (NFC 32 070 C2)
- Flame propagation –bunched cables (NFC 32070 C1 Class C)
- Smoke index < 20 (Class F1))

Cable composition	CONDUCTOR Tin Plated Copper			INSULATION		Cond. Resistance	Class E				
	Cross Section (mm <sup>2</sup> )	Stranding n x Ø	Maximum Ø (mm)	Minimum Ø (mm)	Maximum Ø (mm)	Maximum (ohm/km)	Part Number NEXANS	JACKET		WEIGHT	Fire Load
								Minimum Ø (mm)	Maximum Ø (mm)	Average (kg/km)	Appr. kWh/m
2 x 2,50	2,50	19 x 0,40	2,15	2,50	2,85	8,21	2PH336	7,70	8,70	119	0,162

Revision	Rev. No. 0	Issued	Checked	Approved	Date
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First Release	Issued SuGu	Checked BjS	Approved BNi	Scale 1 : 1	Weight 0 kg	Compare
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Cable 2x2,5mm <sup>2</sup>		
	Date 2018-01-31	Drawing No. 1095239