



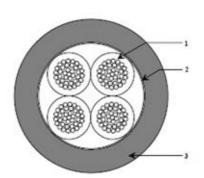
# Railway rolling stock cables having special fire performance Thin wall insulation Multicore cables - sheathed EN 50306-4 Table 1 category MM

# **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)</li>
- pH >4.3 (EN 50267-2-2)
- Conductivity < 10 μS/mm (EN 50267-2-2)</p>
- ☐ Hazard level=3 according to EN 45545-1
- Smoke emission > 70 % (EN 61034-2)
- □ Toxicity index of insulation < 6 (EN 50305)</p>
- □ Toxicity index of sheath < 3 (EN 50305)</p>

### NFF 16101 Category A1

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

				Class E							
Cable composition	CONDUCTOR Tin Plated Copper			INSUL	LATION	Cond. Resistance	Part	JACKET		WEIGHT	Fire Load
	Cross Section	Stranding	Maximum Ø	Minimum Ø	Maximum Ø	Maximum	Number NEXANS		Maximum Ø	Average	Appr.
	( mm² )	nxØ	(mm)	(mm)	(mm)	(ohm/km)	NEAAMS	(mm)	(mm)	(kg/km)	kWh/m
2 x 2,50	2,50	19 x 0,40	2,15	2,50	2,85	8,21	2РН336	7,70	8,70	119	0,162

Revision	Rev. No.	Rev. No.		Issued			Checked				Approved		Date	
First Release Issued	SuGu	Checked	BjS	Approved	BNi		Scale	1:	1	Weigh	t 0 kg	Compare		
Cable 2x2,5mm <sup>2</sup>							$\ominus \oplus$			)	DELLNER			
	,						Date 20:	18-0	1-3	1	Drawing No.	10952	239	

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Sheet Sheet size 1 / 1 A4