

-55°C

+250°C

Improved fire behaviour
Low smokes density and toxicity
High resistance temperature

RAILWAY HL3 R22

SLEEVES

Fiberglass insulating sleeves with an improved fire behaviour according to EN 4589-1-2 and low smokes density and toxicity according to NF EN 45545-2. Our high temperature sleeve "GESF 40" is in compliance with the rigorous regulations of the railway sector corresponding to the classification HL3.

Applications : for railway market: thermic protection for electrical wiring, hydraulic and pneumatic conduits , wiring lights, transformers, ballasts ...



Fire

Excellent flame resistance



Smokes

Low density and toxicity



Chemical

Good chemical resistance



Mechanical

Excellent flexibility and responsiveness

Composition:

Sleeve in braided fiberglass.

Coating: silicone elastomer.

Colour: red.



Mean dielectric strength: 4 kV



Operating temperature: -55°C to +250°C
Peak at +290°C

Standards:

Fire: EN 4589-1-2

Smokes: NF EN 45545-2, NF X 70-100-1, NF X 70-100-2

Construction: NF EN 45545-2



Internal diameter		Wall thickness		Internal diameter		Wall thickness	
Nominal (mm)	Tolerance (mm)	Nominal (mm)	Tolerance (mm)	Nominal (mm)	Tolerance (mm)	Nominal (mm)	Tolerance (mm)
0,5	+/- 0,10	0,45	+/- 0,20	9	+/- 0,25	0,80	+/- 0,20
0,8	+/- 0,10	0,45	+/- 0,20	10	+/- 0,50	0,80	+/- 0,20
1	+/- 0,20	0,45	+/- 0,20	12	+/- 0,50	0,80	+/- 0,20
1,5	+/- 0,20	0,45	+/- 0,20	14	+/- 0,50	0,80	+/- 0,20
2	+/- 0,20	0,50	+/- 0,20	16	+/- 1,00	0,90	+/- 0,20
2,5	+/- 0,20	0,50	+/- 0,20	18	+/- 1,00	1,10	+/- 0,25
3	+/- 0,20	0,50	+/- 0,20	20	+/- 1,00	1,10	+/- 0,25
3,5	+/- 0,25	0,50	+/- 0,20	22	+/- 1,00	1,10	+/- 0,25
4	+/- 0,25	0,60	+/- 0,20	25	+/- 1,00	1,50	+/- 0,30
4,5	+/- 0,25	0,60	+/- 0,20	30	+/- 2,00	1,50	+/- 0,30
5	+/- 0,25	0,60	+/- 0,20	34	+/- 2,00	1,50	+/- 0,30
6	+/- 0,25	0,70	+/- 0,20	38	+/- 3,00	2,00	+/- 0,50
7	+/- 0,25	0,70	+/- 0,20	40	+/- 3,00	2,00	+/- 0,50
8	+/- 0,25	0,70	+/- 0,20	42	+/- 4,00	2,00	+/- 0,50
				45	+/- 4,00	2,00	+/- 0,50

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