

	TECHNICAL DATA SHEET	code	YE05281
		version	3
	2x1.0mm² FRNC /LSNH	date	8-12-2021
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CONSTRUCTION



1. Conductor	
Material	32x0.2 stranded bare copper
Cross section	1.0 mm ²
2. Insulation	
Material	FRNC/LSNH
Diameter over insulation	2.0 mm
Colour of insulation	Black and red
3. Cable core	
	2 wires twisted together with Minimum 18 twist /m
4. Sheath	
Material	FRNC/LSNH
Nominal diameter	5.70 mm
Colour	Red with yellow print
Print legend (once each meter)	FIRE & VOICE ALARM 2x1mm ² BELDEN YE05281 Cca-s1,d1,a1 “WWYY” + “METERMARKING”

REQUIREMENTS AND TEST METHODS

Electrical:

Maximum resistance conductor @ 20 °C	19.5 Ω/km
Test voltage	1500V
Minimum insulation resistance	1000 Mohm*km
Voltage rating	300 V RMS

Mechanical and physical:

Flame resistance	IEC 60332-1-2
Reaction to fire according EN 50575	Cca-s1,d1,a1 to be tested
Temperature range processing and operating	-20 to +70 °C
Minimum bending radius	57 mm
Halogen content	IEC 60754-1
Corrosivity of fire gasses	IEC 60754-2
Conductivity	≤ 2.5 μS/mm
pH value	≥ 4.3
Smoke emission	IEC 61034-2

Belden declares this product to be in compliance with the environmental regulations EU RoHS (Directive 2011/65/EU, 02 Jan. 2013); this is valid for all material produced after the RoHS compliant date for this product.

