

System 2000 MI Wiring Alloy 825 Cable



nVent PYROTENAX System 2000 mineral insulated (MI) wiring cable is a range of MI wiring cable, with an Alloy 825 sheath and nickel-clad copper conductors (600 V). It has a continuous exposure temperature of 1238 °F/670 °C and can withstand rapid-rise temperature excursions to 2000 °F/1093 °C. The inorganic cable construction provides superior fire resistance under conditions of both high heat flux and high temperature. Common applications include the supply of power to motor operated valves during fire exposure ensuring that valves can be safely controlled and closed when required. It is typically supplied as a factory-assembled wiring unit complete with terminations at each end.

CARATTERISTICHE

Ultimate performance: zero smoke generation, zero fuel contribution and zero flame spread.; no flow or transmission of explosive gases through the wiring cables

Maintains electrical circuit integrity for 30 minutes in the UL 1709 fire test, using UL2196 test procedure (UL 1709 test, referenced in API 2218, replicates an intense hydrocarbon fire, reaching 2000 °F/1093 °C in 5 minutes when subjected to a heat flux of 65,000 BTU/ft² hr (200 kW/m²) in an enclosed furnace).

Reliable during long life: 30 year product warranty available

Approved for hazardous locations

SPECIFICHE

Voltage Rating:	600 V
Max Operating Temperature:	670 °C
Max Exposure Temperature:	1093 °C
Sheath Material:	Alloy 825
Flame Retardant:	In Accordance with EN 60332-3-24
Materiale isolante:	Magnesium Oxide
Struttura:	Mineral Insulated Cable
Materiale conduttore:	Nickel Clad Copper

Table 1/1

Numero catalogo	Core Quantity	Current Rating @ 70°C	Diametro esterno	Conductor Cross-Section
215/1NC1.0/825	1	22 A	5.5 mm	1 mm ²

Numero catalogo	Core Quantity	Current Rating @ 70°C	Diametro esterno	Conductor Cross-Section
240/1NC1.5/825	1	27 A	6.1 mm	1.5 mm ²
253/1NC2.5/825	1	36 A	6.4 mm	2.5 mm ²
286/1NC4.0/825	1	47 A	7.3 mm	4 mm ²
527/1NC35.0/825	1	168 A	13.4 mm	35 mm ²
480/1NC25.0/825	1	139 A	12.2 mm	25 mm ²
340/1NC6.0/825	1	59 A	8.6 mm	6 mm ²
402/3NC1.0/825	3	15 A	10.2 mm	1 mm ²
402/2NC1.5/825	2	23 A	10.2 mm	1.5 mm ²
387/1NC10.0/825	1	81 A	9.8 mm	10 mm ²
434/1NC16.0/825	1	107 A	11 mm	16 mm ²
465/3NC1.5/825	3	20 A	11.8 mm	1.5 mm ²
480/3NC2.5/825	3	27 A	12.2 mm	2.5 mm ²
496/2NC4.0/825	2	42 A	12.6 mm	4 mm ²
496/7NC1.0/825	7	15 A	12.6 mm	1 mm ²
684/2NC10.0/825	2	74 A	17.4 mm	10 mm ²
714/3NC10.0/825	3	62 A	18.1 mm	10 mm ²
543/2NC6.0/825	2	54 A	13.8 mm	6 mm ²
543/7NC1.5/825	7	20 A	13.8 mm	1.5 mm ²

Numero catalogo	Core Quantity	Current Rating @ 70°C	Diametro esterno	Conductor Cross-Section
590/3NC6.0/825	3	46 A	15 mm	6 mm ²
590/4NC4.0/825	4	36 A	15 mm	4 mm ²
714/7NC4.0/825	7	36 A	18.1 mm	4 mm ²
750/7NC6.0/825	7	46 A	19.1 mm	6 mm ²

AVVERTENZA

AVVERTENZA: i prodotti nVent devono essere installati e usati solo secondo le indicazioni riportate nei fogli delle istruzioni del prodotto nVent e nei materiali di formazione. I fogli di istruzioni sono disponibili sul sito www.nvent.com e presso il vostro rappresentante locale dell'assistenza clienti di nVent. Un'installazione scorretta, l'uso improprio, l'applicazione errata o altre inosservanze delle istruzioni e delle avvertenze di nVent possono causare un malfunzionamento del prodotto, danni alle proprietà, lesioni corporee gravi e morte e/o l'annullamento della garanzia.

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