

SYSTEM 1850 BARE FIRE RATED CABLE



nVent PYROTENAX System 1850 Bare Fire Rated Cable is a range of mineral insulated (MI) 2-hour fire-rated wiring cable for critical and essential circuit protection. It consists of solid copper conductors in a continuous copper sheath (System 1850) and is allowed to be used under virtually any application conditions by both the NEC and CEC. Cable terminations are typically field installed. Factory terminated wiring units are available in a range of sizes and lengths.

FEATURES & BENEFITS

Ultimate performance: fireproof, no smoke generation, zero halogens, high mechanical strength and corrosion resistance, waterproof and non-ageing

UL fire-resistive classified, does not require additional conduit or fireproofing

UL Classified/ ULC Listed: tested to the UL 2196/ULC-S139 fire test standards

Meets requirements of an Electrical Circuit Protective System, as referred to in Articles 695 and 700 of the National Electrical Code (NEC)

System 1850 appears in Electrical Circuit Integrity System (FHIT and FHIT7) of the UL/ULC Fire Resistance Directory

Complies with wet-location and LSZH requirements for transit applications as outlined in NFPA 130

Reliable during long life: 30 year product warranty available

SPECIFICATIONS

Voltage Rating 600 V

Construction Seamless Copper

Conductor Category Class 1 = Solid

Conductor Material Copper

Conductor Surface Bare

Insulation Material Magnesium Oxide

Max Continuous Operating Temperature 250 °C

Max Exposure Temperature 1010 °C

Table 1/1

Catalog Number	Item Name	Conductor Quantity	AWG Size
2/1-975	2C/1AWG/SYS 1850/600V	2	1
2/10-449	2C/10AWG/SYS 1850/600V	2	10
2/12-402	2C/12AWG/SYS 1850/600V	2	12
2/14-371	2C/14AWG/SYS 1850/600V	2	14
2/16-340	2C/16AWG/SYS 1850/600V	2	16
2/2-865	2C/2AWG/SYS 1850/600V	2	2
2/3-768	2C/3AWG/SYS 1850/600V	2	3
2/4-684	2C/4AWG/SYS 1850/600V	2	4
2/6-590	2C/6AWG/SYS 1850/600V	2	6
2/8-512	2C/8AWG/SYS 1850/600V	2	8
4/10-590	4C/10AWG/SYS 1850/600V	4	10
4/12-465	4C/12AWG/SYS 1850/600V	4	12
4/14-465	4C/14AWG/SYS 1850/600V	4	14
4/16-387	4C/16AWG/SYS 1850/600V	4	16
4/6-730	4C/6AWG/SYS 1850/600V	4	6
4/8-590	4C/8AWG/SYS 1850/600V	4	8
7/10-621	7C/10AWG/SYS 1850/600V	7	10
7/12-543	7C/12AWG/SYS 1850/600V	7	12
7/14-496	7C/14AWG/SYS 1850/600V	7	14
7/16-449	7C/16AWG/SYS 1850/600V	7	16
7/8-710	7C/8AWG/SYS 1850/600V	7	8
1/1-496	1C/1AWG/SYS 1850/600V	1	1
1/1/0-512	1C/1/0AWG/SYS 1850/600V	1	1/0
1/10-277	1C/10AWG/SYS 1850/600V	1	10
1/2-449	1C/2AWG/SYS 1850/600V	1	2
1/2/0-580	1C/2/0AWG/SYS 1850/600V	1	2/0
1/250-746	1C/250KCMIL/SYS 1850/600V	1	250 kcmil

Catalog Number	Item Name	Conductor Quantity	AWG Size
1/3-449	1C/3AWG/SYS 1850/600V	1	3
1/3/0-621	1C/3/0AWG/SYS 1850/600V	1	3/0
1/350-834	1C/350KCMIL/SYS 1850/600V	1	350 kcmil
1/4-402	1C/4AWG/SYS 1850/600V	1	4
1/4/0-684	1C/4/0AWG/SYS 1850/600V	1	4/0
1/500-1000	1C/500KCMIL/SYS 1850/600V	1	500 kcmil
1/6-340	1C/6AWG/SYS 1850/600V	1	6
1/8-298	1C/8AWG/SYS 1850/600V	1	#8
3/10-480	3C/10AWG/SYS 1850/600V	3	10
3/12-480	3C/12AWG/SYS 1850/600V	3	12
3/14-387	3C/14AWG/SYS 1850/600V	3	14
3/16-355	3C/16AWG/SYS 1850/600V	3	16
3/3-834	3C/3AWG/SYS 1850/600V	3	3
3/4-746	3C/4AWG/SYS 1850/600V	3	4
3/6-621	3C/6AWG/SYS 1850/600V	3	6
3/8-590	3C/8AWG/SYS 1850/600V	3	8

Voltage Rating 300 V

Construction Seamless Copper

Conductor Category Class 1 = Solid

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Conductor Surface Bare

Insulation Material Magnesium Oxide

Max Continuous Operating Temperature 250 °C

Max Exposure Temperature 1010 °C

Table 1/1

Catalog Number	Item Name	Conductor Quantity	AWG Size
2/16-364TS	2C/16AWG/SHTWPR SYS 1850/300V	2	16
2/18-324TS	2C/18AWG/SHTWPR SYS 1850/300V	2	18
2/16-246T	2C/16AWG/TWPR SYS 1850/300V	2	16
2/18-215T	2C/18AWG/TWPR SYS 1850/300V	2	18

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