



Class 2  
Low Smoke Zero Halogen  
90°C\*  
450/750 Volt  
LUL 1-085 A3:2011  
NFPA 130 & 502  
Spec: DAA1170A

## Features

- Superior Flame Retardance
- Excellent wet electrical properties
- Enhanced Mechanical toughness
- Wide temperature range -25°C to 90°C
- Thermoset Insulation
- Oil resistant
- Low Smoke
- Zero Halogen
- Voltage Rating 450/750V
- Sunlight Resistance
- The insulation meets the IR and thickness requirement of UL 44 for type XHHW-2, 600V AC conductor-earth or 1031V AC conductor-conductor

## Performance Standards

- Satisfies the requirements for BS 6853:1999
- Satisfies performance requirements of LUL 1-085 A3:2011 for flammability, smoke emission and toxic fumes
- Satisfies performance requirements of BS7211:1998 and BS7211:2012 for EI5 insulation type
- Satisfies performance requirements of IEC 60754-1
- Satisfies performance requirements of IEC 60754-2
- Satisfies flame and smoke requirements of NFPA 130 & 502
- Pass EN61034-2 smoke emission
- Pass IEC 60332-3-25 and IEC 60332-3-24

## Construction

**Conductor:** Bare copper per IEC 60228, Class 2

**Insulation:** Crosslinked low smoke halogen free polymer (colours – as required)

\*Rated 90°C for normal operation, 130° C for emergency overload conditions and 250°C for short circuit conditions

## Scope

Exane<sup>®</sup> PC employs a rugged thermoset low smoke halogen free insulation compound. The thermoset insulation provides superior resistance to fire and moisture. It may be installed in wet or dry locations, indoors and outdoors.

Exane<sup>®</sup> PC small, lightweight construction makes it perfect for installation in metal trays, conduits, ducts or in direct burial applications. Exane<sup>®</sup> PC is an ideal cable for power, control and instrumentation circuits in transit systems and tunnels.

# Exane® PC Premises Cable



Class 2  
Low Smoke Zero Halogen  
90°C\*  
450/750 Volt  
LUL 1-085 A3:2011  
NFPA 130 & 502  
Spec: DAA1170A

Conductor mm <sup>2</sup>	Conductor Diameter Nom. mm	Radial Wall Thickness mm	Nominal Cable Diameter mm	Conductor Resistance** (Ohms/km)	Weight kg/km
0.75*	1.11	0.60	2.36	24.5	11.9
1*	1.28	0.60	2.51	18.1	14.9
1.5	1.55	0.70	3.02	12.1	22.4
2.5	1.96	0.80	3.63	7.41	34.7
4	2.48	0.80	4.16	4.61	50.7
6	3.04	0.80	4.73	3.08	70.8
10	3.92	1.00	6.02	1.83	119.3
16	4.95	1.00	7.04	1.15	180
25	6.40	1.20	8.89	0.734	280
35	7.34	1.20	9.77	0.524	378
50	8.89	1.40	11.78	0.387	596
70	10.50	1.40	13.46	0.268	733
95	12.24	1.60	15.64	0.193	992
120	13.80	1.60	17.14	0.153	1231
150	15.43	1.80	19.18	0.124	1540
185	17.13	2.00	21.33	0.0991	1900
240	19.50	2.20	24.18	0.0754	2446
300	21.84	2.40	26.92	0.0601	3053
400	25.22	2.60	30.65	0.0470	4021

\* .75-1 mm<sup>2</sup> Rated 300/500 Volt per BS 7211:1998

\*\* According to IEC 60228



Marmon Engineered Wire & Cable LLC  
A Berkshire Hathaway Company