

Scope

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

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

Performance Standards

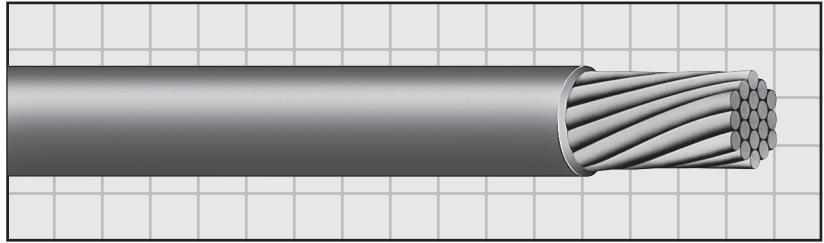
- Satisfies the requirements for BS 6853:1999
- Satisfies performance requirements of LUL 1-085 A3:2011
- Satisfies performance requirements of BS7211:1998
- Satisfies performance requirements of IEC 60754-1
- Satisfies performance requirements of IEC 60754-2
- Satisfies flame and smoke requirements of NFPA 130 & 502

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

Exane[®] PC
Class 2
Low Smoke Zero Halogen
Power & Lighting Cable
90°C
450/750 Volt
Spec: DAA1170A



Conductor mm ²	Conductor Diameter Nom. mm	Radial Wall Thickness mm	Nominal Cable Diameter mm	Conductor Resistance** (Ω/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	1.56	0.70	3.05	12.1	22.4
2.5	1.96	0.80	3.63	7.41	34.3
4	2.48	0.80	4.16	4.61	50.7
6	3.04	0.80	4.73	3.08	73.1
10	3.92	1.00	6.02	1.83	119.3
16	4.95	1.00	7.04	1.15	179
25	6.21	1.20	8.71	0.727	279
35	7.34	1.20	9.75	0.524	382
50	8.88	1.40	11.86	0.387	544
70	10.50	1.40	13.48	0.268	743
95	12.24	1.60	15.64	0.193	1004
120	13.80	1.60	17.20	0.153	1251
150	15.43	1.80	19.23	0.124	1564
185	17.13	2.00	21.36	0.0991	1930
240	19.50	2.20	24.18	0.0754	2494
300	21.84	2.40	26.92	0.0601	3110
400	25.22	2.60	30.65	0.0470	4120

* .75-1 mm² Rated 300/500 Volt per BS 7211:1998

** According to IEC 60228



Engineered Wire & Cable Group
A Berkshire Hathaway Company