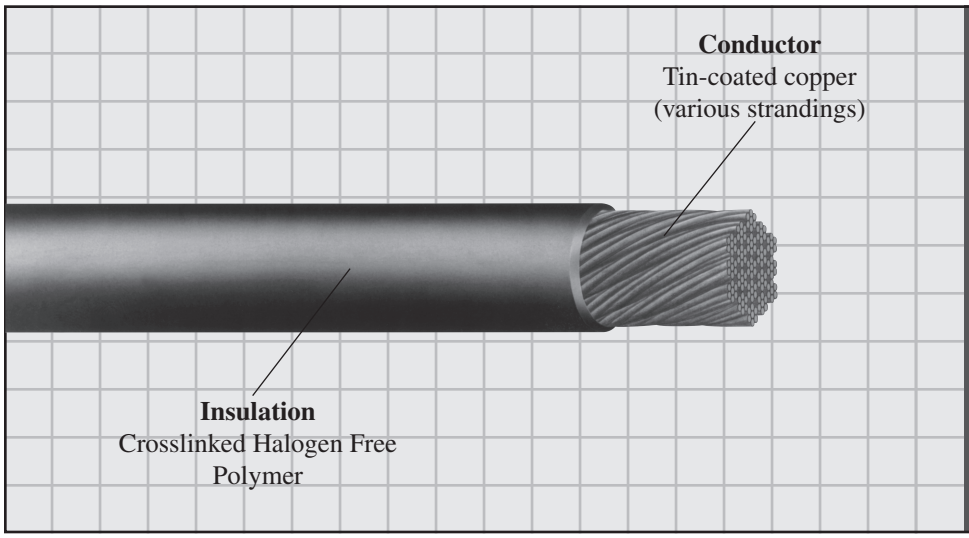
Exane® PC
Premises Cable



Exane® PC Class 5

Low Smoke Zero Halogen
90˚C
450/750 Volt

LUL 1-085 A3:2011

NFPA 130 & 502

Spec: DAA1170A

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:
Annealed, Tinned copper per IEC 60228, Class 5/BS6360

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

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

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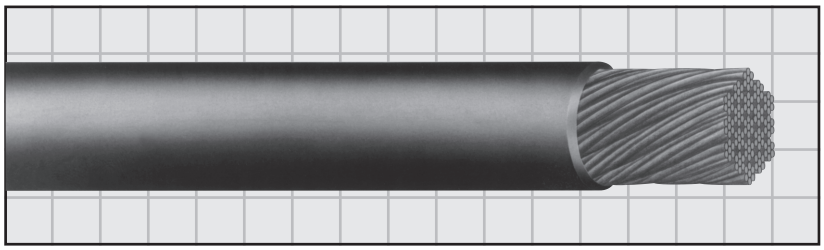
Exane® PC
Class 5
Low Smoke Zero Halogen Power & Lighting Cable

90˚C

450/750 Volt

Spec: DAA1170A



Conductor mm²	Conductor Diameter Nom. mm	Radial Wall Thickness mm	Nominal Cable Diameter mm	Conductor Resistance** (Ω/km)	Weight kg/km
0.75	1.19	0.60	2.44	26.7	11.9
1	1.30	0.60	2.55	20.0	14.9
1.5	1.70	0.70	3.15	13.7	22.3
2.5	1.93	0.80	3.58	8.21	34.2
4	2.46	0.80	4.11	5.09	50.6
6	3.30	0.80	4.95	3.39	74.4
10	4.17	1.00	6.34	1.95	119.1
16	5.21	1.00	7.38	1.24	177.1
25	6.99	1.20	9.56	0.795	314.0
35	8.26	1.20	10.83	0.565	392.9
50	9.78	1.40	12.76	0.393	556.6
70	11.68	1.40	14.66	0.277	763.4
95	13.34	1.60	16.71	0.210	1032.8
120	15.24	1.60	18.62	0.164	1279.8
150	17.15	1.80	20.92	0.132	1602.7
185	19.05	2.00	23.23	0.108	2003.4
240	21.59	2.20	26.17	0.0817	2537.3
300	24.26	2.40	29.23	0.0654	3099.8
400	27.94	2.60	33.32	0.0495	3922.8

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

** According to IEC 60228

RSCC® World Class Engineered Cable

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A Berkshire Hathaway Company