EXANE® PC

Class 2 & Class 5
LUL 1-085 A3:2011
BS 7211:1998
NFPA 130 & 502
DAA1170A
Low Smoke Zero Halogen
-250C to 900C*
450/750 volt

Exane PC (Premises Cable) is insulated with a single layer of crosslinked thermoset insulation. This gives Exane PC superior resistance to flame and water ingress associated with the harsh conditions of the underground environment.

It's authorised for use on London Underground non-essential applications and can be installed surface or sub-surface with its reduced overall diameter making Exane PC more beneficial for containment.

FEATURES

- London Underground Authorised
- Irradiated cross-linked thermoset insulation
- Easy installation and easy strip
- Oil, solvent and sunlight resistant
- Enhanced mechanical toughness
- Excellent resistance to water ingress
- Temperature rating: -25°C to 90°C

PERFORMANCE STANDARDS

- LUL 1-085 A3:2011
- BS 7211:1998
- BS 6853:1999
- IEC 60754-1
- IEC 60754-2
- NFPA 130 & 502

CONSTRUCTION

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

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

Class 5 Conductor: Annealed, tinned copper per IEC 60228, Class 5/BS 6360

Insulation: Crosslinked low smoke zero halogen 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 5

Conductor (mm^2)	Conductor Diameter Nom. (mm)	Radial Wall Thickness (mm)	Nominal Cable Diameter (mm)	Conductor Resistance** (Ω/km)	Weight (kg/km)
0.75*	1.19	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

* .75-1mm^2 rated 300/500 volt per BS 7211:1998
** According to IEC 60228

EXANE® PC CLASS 2

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

* .75-1mm^2 rated 300/500 volt per BS 7211:1998 ** According to IEC 60228

Units 8A, 9A–D, Ellough Industrial Estate, Beccles, Suffolk NR34 7TD sales@goldwingcable.com www.goldwingcable.com