

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
- The insulation meets the IR and thickness requirement of UL 44 for type XHHW-2, 600V AC conductor-earth or 1031V AC conductor-conductor
- Ampacity follows BS 7671:2008 table 4E1A

Performance Standards

- Satisfies the requirements for BS 6853:1999
- Satisfies performance requirements of LUL S1085 A4:2015 for flammability, smoke emissions and toxic fumes
- Satisfies performance requirements of LUL 1-085 A3:2011 for flammability, smoke emissions and toxic fumes
- 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)

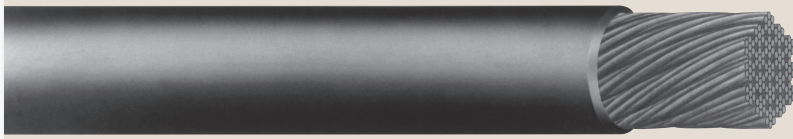
*Rated 90°C for normal operation, 130° C for emergency overload conditions and 250°C for short circuit conditions

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.

Exane® PC Premises Cable



Class 5
Low Smoke Zero Halogen
90°C*
450/750 Volt
LUL 1-085 A3:2011
NFPA 130 & 502
Spec: DAA1170A

| Conductor mm ² | Conductor Diameter Nom. mm | Radial Wall Thickness mm | Nominal Cable Diameter mm | Conductor Resistance** (Ohms/km) | Weight kg/km |
|------------------------------|----------------------------------|--------------------------------|---------------------------------|--|-----------------|
| 0.75* | 1.14 | 0.60 | 2.41 | 26.7 | 13.7 |
| 1* | 1.22 | 0.60 | 2.49 | 19.99 | 17.3 |
| 1.5 | 1.52 | 0.70 | 2.99 | 13.69 | 25.0 |
| 2.5 | 1.93 | 0.80 | 3.60 | 7.6 | 38.7 |
| 4 | 2.45 | 0.80 | 4.11 | 5.08 | 58.1 |
| 6 | 3.30 | 0.80 | 4.97 | 3.38 | 73.6 |
| 10 | 3.98 | 1.00 | 6.07 | 1.94 | 120.9 |
| 16 | 5.20 | 1.00 | 7.31 | 1.15 | 175 |
| 25 | 6.55 | 1.20 | 9.04 | 0.727 | 279 |
| 35 | 8.25 | 1.20 | 10.80 | 0.564 | 382 |
| 50 | 10.59 | 1.40 | 13.41 | 0.393 | 551 |
| 70 | 11.68 | 1.40 | 14.68 | 0.276 | 764 |
| 95 | 13.34 | 1.60 | 16.73 | 0.21 | 1095 |
| 120 | 15.31 | 1.60 | 18.59 | 0.164 | 1259 |
| 150 | 16.50 | 1.80 | 20.37 | 0.132 | 1528 |
| 185 | 19.05 | 2.00 | 23.16 | 0.0991 | 1944 |
| 240 | 21.59 | 2.20 | 26.11 | 0.0754 | 2399 |
| 300 | 24.64 | 2.40 | 29.58 | 0.0601 | 3059 |
| 400 | 27.18 | 2.60 | 32.47 | 0.0470 | 3883 |

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

** According to IEC 60228



Marmon Engineered Wire & Cable LLC
A Berkshire Hathaway Company