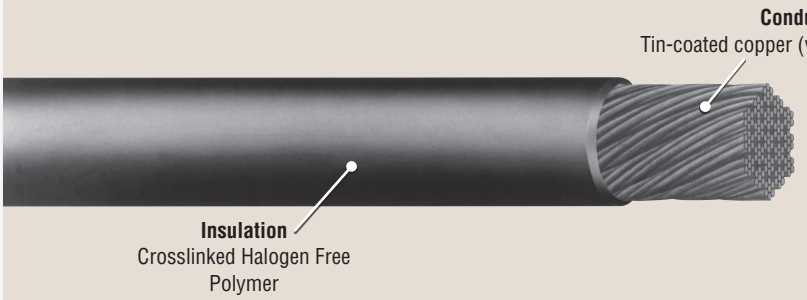
Exane® ZH 125°C
Transit Wire



Low Smoke Zero Halogen
600/1000 Volt
Spec: DAA1105A

Features

- Superior Flame Retardance
- Exceptional wet electrical properties
- Enhanced Mechanical toughness
- Wide temperature range –45°C to 125°C
- Thermoset Insulation
- Excellent oil/solvent resistance
- Sunlight resistant
- Low Smoke
- Zero Halogen
- Voltage Rating 600/1000V

Scope

Exane®-ZH, Low Smoke Zero Halogen transit wire is a tough, highly flame retardant construction ideally suited for use in rugged locomotive and transportation industry applications. It has excellent electrical characteristics combined with superior mechanical, heat, moisture, oil, chemical and abrasion properties. This wire should be considered for applications where flame resistance and low levels of off gassing and toxic fumes are required.

Performance Standards

- Satisfies performance requirements of BS EN 50265-2-1: 1999 (IEC 60332-2-2: 2004)
- Satisfies performance requirements of BS EN 50265-2-2:1999 (IEC 60332-2-1: 2004)
- Satisfies the requirements for BS 6853:1999 vehicle category 1a for vehicles interior and exterior per:
  - BS 6853: 1997 Annex D 8.7
  - BS 6853: 1999, Clause 6.2, Table 13&14
  - BS 6853: 1999 Annex B.1
- Satisfies performance requirements of IEC 60754-1
- Satisfies performance requirements of IEC 60754-2
- Authorised for use by London Underground 1.5mm^2–240mm^2, LUL APR registration 447

Construction

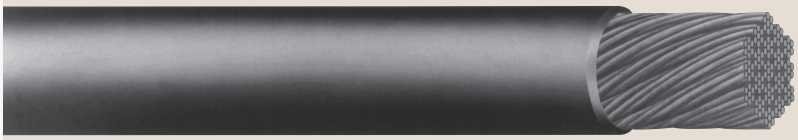
Conductor: Annealed, Tinned copper per IEC 60228, Class 5/BS6360

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

*RSCC rated 125°C, 130°C overload, 250°C short circuit

Marmon Engineered Wire & Cable LLC
A Berkshire Hathaway Company

Exane® ZH 125°C
Transit Wire



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Conductor (mm^2)	Conductor Construction (#/mm Dia)	Conductor Diameter (mm)	Nominal Wall Thickness (mm)	Nominal Ins. Diameter (mm)	DCR** (Ω/km)	Weight (kg/100m)	Bend Radius (mm)
0.75	24/0.20	1.17	0.76	2.74	26.7	1.63	10.96
1	32/0.20	1.35	0.76	2.92	20	1.74	11.68
1.5	30/0.25	1.52	0.76	3.10	13.7	2.29	12.40
2.5	50/0.25	2.06	0.76	3.63	8.21	3.46	14.52
4	56/0.30	2.62	0.76	4.19	5.09	5.02	16.76
6	84/0.30	3.20	0.76	4.78	3.39	7.13	19.12
10	80/0.40	4.19	1.14	6.54	1.95	12.95	26.16
16	126/0.40	5.31	1.14	7.66	1.24	19.33	30.64
25	196/0.40	7.11	1.14	9.46	0.80	29.16	37.84
35	276/0.40	8.51	1.14	10.86	0.57	40.00	43.44
50	396/0.40	10.31	1.4	13.18	0.39	57.66	52.72
70	360/0.50	12.40	1.4	15.27	0.28	77.15	61.08
95	475/0.50	14.50	1.4	17.37	0.21	100.34	69.48
150	756/0.50	18.01	1.65	21.40	0.13	158.18	85.60
240	1221/0.50	21.64	1.65	25.03	0.08	239.70	100.12
300	1525/0.50	26.01	2.03	30.20	0.07	314.90	120.80
400	2013/0.50	27.94	2.03	32.11	0.05	406.98	128.44

* According to ICEA 5-66-524

** According to IEC 60228

RSCC® World Class Engineered Cable

MARMON

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A Berkshire Hathaway Company