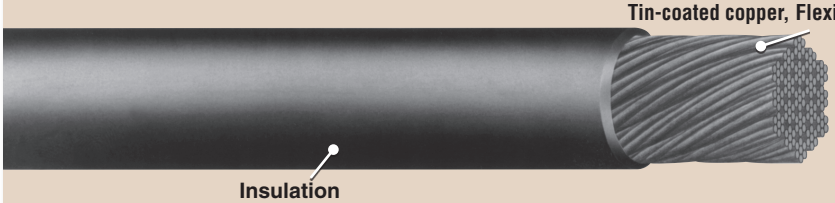
Exane® ZH DLO K
Diesel-Locomotive Cable



Low Smoke Zero Halogen
90°C*, 2000V
NEC Type RHW-2
UL Listed
CEC Type RW90 2000V
CUL Listed
AWM Style 105°C

Features

- Flexible Class K tinned copper conductor for improved terminations and corrosion resistance
- Low Smoke Zero Halogen design (LSZH)
- RoHS/REACH compliant and lead free
- Irradiated thermoset insulation for enhanced thermal stability
- Proprietary single-pass insulating/jacketing process allows for a significant overall diameter reduction (>12 - 15%) over standard two-pass designs saving valuable space in cabling pathways and providing an overall cost reduction
- Specially formulated insulation for superior two (2) years long term water resistance
- Superior flame and abrasion resistance
- Excellent mechanical properties including Abrasion, Notch Propagation, Cut Through and Heat Deformation
- Ease of strippability, no separator tape over conductor
- Low friction surface for reduced pulling tension
- Can be installed in Conduit, Duct, Raceway, Aerial or Direct Burial (when dual rated as Type USE-2)
- Can be used in -40°C to +125°C applications

Scope

Exane® ZH DLO is a single conductor, power cable utilizing flexible Class K conductor suitable for use in applications requiring greater flexibility, robust mechanical properties and superior flex life. Applications include locomotive and car equipment, motor and generator leads, battery leads, shipyards, telecommunications power, heavy earth moving equipment, renewable energy and other heavy duty flexing applications. LSZH insulation is preferred for highly occupied environments or areas with large concentrations of equipment since it considerably reduces the amount of toxic and corrosive gas emitted during combustion.

Construction

Conductor: Annealed, tin-coated copper, class "K" strand per ASTM B33, B172 & B174

Insulation: Flame retardant low Smoke Zero Halogen cross-linked polyolefin

Color: Colors available upon request

Performance Standards

- Listed as UL RHW-2 / cUL RW90 Per UL 44, 90°C Wet or Dry
- UL listed as IEEE 1202/FT4–ST1 (limited smoke) per UL 2556/UL 1685 as specified in NFPA 130-2020
- UL listed for sunlight resistance (black only)
- UL listed as VW-1, gasoline and oil resistant
- Passes ICEA 70,000 BTU/hour vertical tray flame test (T-30-520)
- Passes vertical flame test Type A as defined in ICEA S-95-658-1999 sec. 6.8.2
- For tray installation, 1/0 AWG and larger (CT USE) and equipment grounding conductor 4 AWG and larger
- AWM 3578 105C 600V per UL subject 758
- AWM 3237 105C 1000V per UL subject 758
- UL 2806 listed as Heavy Duty flexible power cable HDFPC
- LOI > 40% Oxygen
- Complies with IEC 60754-1, IEC 60754-2, IEC 60332-3-24, IEC 61034-2, IEC 60332-1-2, CPR Class Eca (CE mark)
- MSHA Approved (8 AWG and larger) P-07-KA200005
- UL and cUL listed -40°C

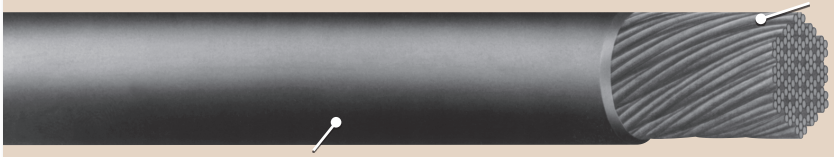
* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

RSCC® World Class Engineered Cable

Made in the USA

MARMON
Marmon Electrical
A Berkshire Hathaway Company

Exane® ZH DLO K
Diesel-Locomotive Cable



Conductor
Tin-coated copper, Flexible Class "K" strand

Insulation
Flame retardant, Low Smoke Zero Halogen cross-linked polyolefin (XLPO)

Low Smoke Zero Halogen
90°C*, 2000V
NEC Type RHW-2
UL Listed
CEC Type RW90 2000V
CUL Listed
AWM Style 105°C

Product Code	Conductor Size	Number of Strands	Conductor OD (in)	Conductor OD (mm)	Insulation Thickness (in)	Insulation Thickness (mm)	Nominal Overall Diameter (in)	Nominal Overall Diameter (mm)	Approximate Net Weight (Lbs/M')	Ampacity**
EZ01014-680	14 AWG	41	0.069	1.75	0.060	1.52	0.192	4.87	29	35
EZ01012-680	12 AWG	65	0.086	2.18	0.060	1.52	0.209	5.31	39	40
EZ01010-680	10 AWG	105	0.112	2.84	0.060	1.52	0.235	5.97	55	55
EZ01008-680	8 AWG	168	0.159	4.04	0.070	1.78	0.303	7.69	89	80
EZ01006-680	6 AWG	252	0.195	4.95	0.070	1.78	0.338	8.58	119	105
EZ01004-680	4 AWG	392	0.243	6.17	0.070	1.78	0.387	9.83	170	140
EZ01003-680	3 AWG	532	0.282	7.16	0.070	1.78	0.426	10.82	221	165
EZ01002-680	2 AWG	616	0.305	7.75	0.070	1.78	0.449	11.40	251	190
EZ01001-680	1 AWG	836	0.355	9.02	0.090	2.29	0.539	13.71	353	220
EZ011X0-680	1/0 AWG	988	0.386	9.80	0.090	2.29	0.571	14.50	408	260
EZ012X0-680	2/0 AWG	1235	0.432	10.97	0.090	2.29	0.617	15.66	494	300
EZ013X0-680	3/0 AWG	1558	0.485	12.32	0.090	2.29	0.669	17.01	608	350
EZ014X0-680	4/0 AWG	1995	0.549	15.09	0.090	2.29	0.734	18.64	760	405
EZ01250-680	250 KCMIL	2356	0.597	15.16	0.105	2.67	0.812	20.62	909	455
EZ01262-680	262 KCMIL	2442	0.605	15.37	0.105	2.67	0.820	20.82	942	467
EZ01350-680	350 KCMIL	3256	0.702	17.83	0.105	2.67	0.916	23.28	1235	505
EZ01373-680	373 KCMIL	3367	0.713	18.11	0.105	2.67	0.928	23.56	1294	591
EZ01444-680	444 KCMIL	3996	0.783	19.89	0.105	2.67	0.998	25.35	1562	652
EZ01500-680	500 KCMIL	4736	0.846	21.49	0.105	2.67	1.061	26.94	1747	700
EZ01535-680	535 KCMIL	4880	0.859	21.82	0.120	3.05	1.105	28.07	1859	728
EZ01600-680	600 KCMIL	5612	0.922	23.41	0.120	3.05	1.168	29.67	2052	780
EZ01646-680	646 KCMIL	6466	0.955	24.26	0.120	3.05	1.201	30.51	2167	815
EZ01777-680	777 KCMIL	6954	1.025	26.04	0.120	3.05	1.271	32.29	2525	904

* Rated 90°C for normal operation in wet and dry locations, 130°C for emergency overload conditions, and 250°C for short circuit conditions.

** Ampacities are based on 2020 NEC Table 310.17 at 30°C Ambient in Free Air.

The catalog part numbers are for Black insulation. Use the following designation for other colors 2-Red, 5-Green, 6-Blue, 8-Gray. For Example: 1/C 6 AWG Red part number is EZ01006-682

RSCC Exane® ZH DLO LSZH 1/C 6 AWG 252/30 (UL) TYPE RHW-2 ST1 PR I GR I VW-1 FT4 IEEE 1202 -40C HDFPC 2000V or AWM 3578 105C 600V or AWM 3237 105C 1000V cUL RW90 FT4 IEEE 1202 ST1 -40C 2000V MSHA P-07-KA200005 EZ01006-680

Sequential footage and date of manufacture

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