



Listed

**UL 44 - XHHW-2/XHHW/XHH 600/1000 V  
THERMOSET-INSULATED WIRE – ALUMINUM  
File Number E533878**



**APPLICATION**

Dynamic Cables' Type XHHW-2 wires are suitable for general purpose wiring in wet or dry locations, in conduits, ducts, cable trays, free air, and messenger-supported aerial installations. These cables are rated for 600/1000 volts and are designed for continuous operation at conductor temperatures up to 90°C. They are ideal for general-purpose wiring, industrial applications, and areas with moderate flexing or vibration. Installation does not require the use of pulling lubricant.

**ASSEMBLY**

Compact stranded ALUMINUM alloy conductor as per ASTM B800 & ASTM B801 insulated with cross linked PE (XLPE).

**Conductor**

ALUMINUM AA-8000 series alloy compacted conductor, Class B stranding as per ASTM B800.

**Insulation**

Low Coefficient of friction, Abrasion, Moisture, & Heat Resistant Thermoset cross-linked polyethylene (XLPE).

**Footage Marking & Printing Legend \*\***

**FEATURES**

- Oil & Gasoline Resistant
- Sunlight Resistant
- Meets cold bend and cold impact tests at -40°C
- VW-1 Compliant
- CT Rated for 1/0 AWG and larger

**STANDARD & REFERENCES**

- UL 44, UL 2556
- ASTM B800, B801, B836
- Federal Specification -JC-30B-NEC
- ICEA S-95-658 Compliant

Conductor Size AWG/kcmil	No. of Strands	Conductor Diameter (Inches)	Insulation Thickness Min average (mils)	Overall Diameter (Inches)	Conductor Weight (lbs./1000ft)	Cable Net Weight (lbs./1000ft)	Max DC Resistance @ 20°C (Ω/1000 ft.)	Ampacity* at 90°C
8	7	0.134	45	0.227	15	30	1.07	45
6	7	0.169	45	0.262	24	41	0.674	55
4	7	0.213	45	0.306	39	57	0.424	75
2	7	0.268	45	0.361	61	86	0.265	100
1	19	0.299	55	0.413	77	110	0.211	115
1/0	19	0.336	55	0.450	97	133	0.168	135
2/0	19	0.376	55	0.490	122	162	0.133	150
3/0	19	0.423	55	0.537	154	196	0.105	175
4/0	19	0.475	55	0.589	195	246	0.0836	205
250	37	0.520	65	0.654	230	297	0.0707	230
300	37	0.570	65	0.704	275	350	0.0590	260
350	37	0.616	65	0.750	321	400	0.0505	280
400	37	0.659	65	0.793	368	451	0.0442	305
500	37	0.736	65	0.869	459	555	0.0354	350
600	61	0.813	80	0.976	551	678	0.0295	385
700	61	0.877	80	1.041	643	780	0.0253	425
750	61	0.908	80	1.071	688	833	0.0236	435
800	61	0.938	80	1.102	735	881	0.0221	445
900	61	0.999	80	1.162	826	981	0.0196	480
1000	61	1.060	80	1.223	919	1083	0.0177	500

**Notes :** All values are nominal and subject to change based on actual design.

**COLORS** - Available upon request Black, White, Red, Blue, Green, Brown, Yellow, Orange, Grey.

**REEL** – Available in 500, 1000, 2500, 5000 ft. reels.

\*Ampacity of Conductor are based on NEC (NFPA 70).

\*\***Printing Legend**– DYNAMIC CABLES E533878 (UL) XHHW-2 90°C WET/DRY SIZE AWG/KCMIL COMPACT ALUMINUM AA-8000 600/1000 V SUN RES MONTH/YEAR.



**Dynamic Cables Limited**

F-260, Road Number 13, V.K.I. Area, Jaipur, India

Ph.: +91-141-2332388 / 2262589, 4042005

Mob: +91 9920449111, 9799050900

Email: [dcl.ravijain@dynamiccables.co.in](mailto:dcl.ravijain@dynamiccables.co.in), [bd.exports@dynamiccables.co.in](mailto:bd.exports@dynamiccables.co.in)

Website: [www.dynamiccables.co.in](http://www.dynamiccables.co.in)



**UL 44 - RHW-2/RHH/USE-2, 1000/2000 V  
THERMOSET-INSULATED WIRE – ALUMINUM**



Listed

File Number E533878



**APPLICATION**

Dynamic Cables' Type RHW-2-RHH-USE-2 wires are suitable for use in wet or dry locations, in conduits, ducts, cable trays, free air, and messenger-supported aerial installations. These cables are rated for 600/1000 volts and are designed for continuous operation at conductor temperatures up to 90°C. They are ideal for general-purpose wiring, industrial applications, and areas with moderate flexing or vibration. Installation does not require the use of pulling lubricant. Type USE-2 comply with UL 854 and rated up to 600 V.

**ASSEMBLY**

Compact stranded ALUMINUM alloy conductor as per ASTM B800 & ASTM B801 insulated with cross linked PE (XLPE).

**Conductor**

ALUMINUM - ALUMINUM AA-8000 series alloy compacted conductor, Class B stranding as per ASTM B800.

**Insulation**

Low Coefficient of friction, Abrasion, Moisture, & Heat Resistant  
Thermoset cross-linked polyethylene (XLPE)

**Footage Marking & Printing Legend \*\***

**FEATURES**

- Oil & Gasoline Resistant
- Sunlight Resistant
- Meets cold bend and cold impact tests at -40°C
- VW-1 Compliant
- CT Rated for 1/0 AWG and larger

**STANDARD & REFERENCES**

- UL 44, UL 854, UL 2556
- ASTM B800, B801, B836
- Federal Specification -JC-30B-NEC
- ICEA S-95-658 Compliant

Conductor size AWG/kcmil	No. of Strands	Conductor Diameter (Inches)	Insulation Thickness Min average (mils)	Overall Diameter (Inches)	Net Weight Cable (lbs./1000ft)	Max DC Resistance @ 20°C (Ω/1000 ft.)	Ampacity * at 90°C
			1kV/2kV	1kV/2kV	1kV/2kV		
8	7	0.134	60/70	0.257/0.278	34/40	1.07	45
6	7	0.169	60/70	0.292/0.313	46/51	0.674	55
4	7	0.213	60/70	0.336/0.357	65/72	0.424	75
2	7	0.268	60/70	0.391/0.412	93/102	0.265	100
1	19	0.299	80/90	0.462/0.483	126/133	0.211	115
1/0	19	0.336	80/90	0.499/0.520	151/162	0.168	135
2/0	19	0.376	80/90	0.539/0.560	181/190	0.133	150
3/0	19	0.423	80/90	0.586/0.607	219/227	0.105	175
4/0	19	0.475	80/90	0.639/0.659	266/279	0.0836	205
250	37	0.52	95/105	0.713/0.734	323/334	0.0707	230
300	37	0.57	95/105	0.763/0.784	376/402	0.059	260
350	37	0.616	95/105	0.809/0.830	429/447	0.0505	280
400	37	0.659	95/105	0.852/0.873	482/518	0.0442	305
500	37	0.736	95/105	0.929/0.950	585/604	0.0354	350
600	61	0.813	110/120	1.036/1.057	713/708	0.0295	385
700	61	0.877	110/120	1.100/1.121	816/828	0.0253	425
750	61	0.908	110/120	1.131/1.152	867/898	0.0236	435
800	61	0.938	110/120	1.161/1.182	918/973	0.0221	445
900	61	0.999	110/120	1.222/1.243	1020/1077	0.0196	480
1000	61	1.06	110/120	1.283/1.304	1123/1164	0.0177	500

**Note :** All values are nominal and subject to change based on actual design.

**COLORS** - Available upon request Black, White, Red, Blue, Green, Brown, Yellow, Orange, Gray.

**REEL** - Available in 500, 1000, 2500, 5000 ft. reels.

\*Ampacity of Conductor are based on NEC (NFPA 70).

\*\***Printing Legend**– DYNAMIC CABLES E533878 (UL) RHW-2/RHH/USE-2 90°C WET/DRY SIZE AWG/KCMIL COMPACT ALUMINUM AA-8000 600/1000 V SUN RES MONTH/YEAR.



**Dynamic Cables Limited**

F-260, Road Number 13, V.K.I. Area, Jaipur, India

Ph.: +91-141-2332388 / 2262589, 4042005

Mob: +91 9920449111, 9799050900

Email: [dcl.ravijain@dynamiccables.co.in](mailto:dcl.ravijain@dynamiccables.co.in), [bd.exports@dynamiccables.co.in](mailto:bd.exports@dynamiccables.co.in)

Website: [www.dynamiccables.co.in](http://www.dynamiccables.co.in)