HX CABLE USA

HIGH QUALITY CABLE SELECT HX CABLE

HUAXING CABLE USA LLC

Tel: +1 (949)418-7122

Email: huaxing@huaxingcable.com

http:www.hxcableusa.com

Add: 300 Spectrum Center Drive, Suite 860,Irvine, CA 92618

HX CABLE USA

CONTENTS

ALUMINUM PHOTOVOLTAIC WIRE 600V

APPLICATIONS

Single conductor, sunlight-resistant, photovoltaic wire rated 90°C wet or 105°C dry 600V for interconnection wiring of grounded andungrounded photovoltaic power systems as described in Section690.31(A) and other applicable parts of the National Electrical Code(NEC), NFPA 70. For use in free air, raceways or direct burial inaccordance with NEC.

CONSTRUCTION

Conductor: 8 AWG thru 1000 kcmil compact aluminum (8000series)

Insulastion: Flame-retardant Cross-Linked Polyethylene (XLPE), black or red

Print: HUAXING CABLE E363111 PV WIRE AL (SIZE) 600V 90°C DRY OR WET -40°C DIR BUR SUN RES FTMONTH/YEAR OF MANUFACTURE

OPTION

- Colored phase ID stripes available on request
- Multiplexing available on request
- FT2 flame compliance available on request
- Vertical flame compliance available on request

FEATURES

Rated 90°C wet and dry

Deformation-resistant at high temperatures

Excellent moisture resistance, exceeds UL 44

Stable electrical properties over a broad temperature range

Excellent resistance to crush and compression cuts

Resistant to most oils and chemicals

UV/sunlight-resistant

Meets cold bend test at -40°C

SPECIFICATIONS

ASTM B800 - 05(2011), ASTM B836 -00(2011)

UL 4703 Type PV

National Electrical Code (NEC)

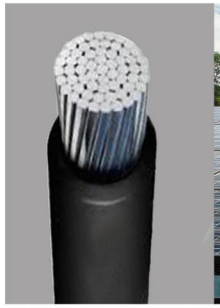
ICEA S-95-658/NEMA WC70

UL 44 Type RHH or RHW-2

UL 854 Type USE-2 C(UL) RWU90 1kV

Conductor Size (AWG/ kcmil)	Conductor Stranding	Nominal Conductor O.D.		Minimum Insulation Average Thickness		Nominal Cable Diameter		Copper Weight		Net Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	/MFT(lb)	/km(kg)	/MFT(lb)	/km(kg)
8 AWG-1000 kcmil CONDUCTORS											
8	7/.0486	0.134	3.40	0.080	2.03	0.298	7.57	16	23	49	73
6	7/.0612	0.169	4.29	0.080	2.03	0.333	8.46	25	37	64	95
4	7/.0772	0.213	5.41	0.080	2.03	0.377	9.58	39	58	85	127
2	7/.0974	0.268	6.81	0.080	2.03	0.432	10.97	63	93	117	174
1	19/.0664	0.299	7.59	0.095	2.41	0.495	12.57	79	117	153	227
1/0	19/.0745	0.336	8.53	0.095	2.41	0.532	13.51	99	148	180	268
2/0	19/.0837	0.376	9.55	0.095	2.41	0.572	14.53	125	186	214	318
3/0	19/.0940	0.423	10.74	0.095	2.41	0.619	15.72	158	235	256	380
4/0	19/.1055	0.475	12.07	0.095	2.41	0.671	17.04	199	296	307	456
250	37/.0822	0.520	13.21	0.110	2.79	0.746	18.95	262	390	399	594
300	37/.0900	0.570	14.48	0.110	2.79	0.796	20.22	282	420	430	640
450	37/.0972	0.616	15.65	0.110	2.79	0.842	21.39	329	490	487	725
400	37/.1040	0.659	16.74	0.110	2.79	0.885	22.48	376	560	544	810
500	37/.1159	0.736	18.69	0.110	2.79	0.962	24.43	471	701	656	977
600	61/.0992	0.813	20.65	0.125	3.18	1.069	27.15	565	841	798	1187
750	61/.1109	0.908	23.06	0.125	3.18	1.164	29.57	706	1051	963	1433
1000	61/.1280	1.060	26.92	0.125	3.18	1.316	33.43	914	1360	1210	1801

Dimensions and weghts are nominal; subject to industry tolerances.
*Non-stock item; minimum runs apply.Please contact Customer Service for price and delivry.



ALUMINUM PHOTOVOLTAIC WIRE 2000V

APPLICATIONS

Single conductor, sunlight-resistant, photovoltaic wire rated 90°C wet or 105°C dry 2000V for interconnection wiring of grounded andungrounded photovoltaic power systems as described in Section690.31(A) and other applicable parts of the National Electrical Code(NEC), NFPA 70. For use in free air, raceways or direct burial inaccordance with NEC.

CONSTRUCTION

Conductor: 8 AWG thru 1000 kcmil compact aluminum (8000series)

Insulastion: Flame-retardant Cross-Linked Polyethylene (XLPE),black or red

Print: HUAXING CABLE E363111 PV WIRE AL (SIZE) 1000 /2000V 90°C DRY OR WET -40°C DIR BUR SUN RES FTMONTH/YEAR OF MANUFACTURE

OPTION

- Colored phase ID stripes available on request
- Multiplexing available on request
- FT2 flame compliance available on request
- Vertical flame compliance available on request

FEATURES

Rated 90°C wet and dry

Deformation-resistant at high temperatures

Excellent moisture resistance, exceeds UL 44

Stable electrical properties over a broad temperature range

Excellent resistance to crush and compression cuts

Resistant to most oils and chemicals

UV/sunlight-resistant

Meets cold bend test at -40°C

SPECIFICATIONS

ASTM B800 - 05(2011), ASTM B836 -00(2011)

UL 4703 Type PV

National Electrical Code (NEC)

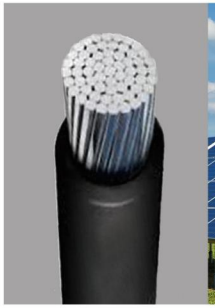
ICEA S-95-658/NEMA WC70

UL 44 Type RHH or RHW-2

UL 854 Type USE-2 C(UL) RWU90 1kV

Conductor Size (AWG/ kcmil)	Conductor Stranding	Nominal Conductor O.D.		Minimum Insulation Average Thickness		Nominal Cable Diameter		Copper Weight		Net Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	/MFT(lb)	/km(kg)	/MFT(lb)	/km(kg)
8 AWG-1000 kcmil CONDUCTORS											
8	7/.0486	0.134	3.40	0.085	2.16	0.310	7.87	16	23	52	78
6	7/.0612	0.169	4.29	0.085	2.16	0.345	8.76	25	37	67	100
4	7/.0772	0.213	5.41	0.085	2.16	0.389	9.88	39	58	90	133
2	7/.0974	0.268	6.81	0.085	2.16	0.444	11.28	63	93	122	182
1	19/.0664	0.299	7.59	0.105	2.67	0.515	13.08	79	117	162	241
1/0	19/.0745	0.336	8.53	0.105	2.67	0.552	14.02	99	148	191	284
2/0	19/.0837	0.376	9.55	0.105	2.67	0.592	15.04	125	186	225	334
3/0	19/.0940	0.423	10.74	0.105	2.67	0.639	16.23	158	235	267	398
4/0	19/.1055	0.475	12.07	0.105	2.67	0.691	17.55	199	296	319	475
250	37/.0822	0.520	13.21	0.120	3.05	0.766	19.46	262	390	413	615
300	37/.0900	0.570	14.48	0.120	3.05	0.816	20.73	282	420	445	663
450	37/.0972	0.616	15.65	0.120	3.05	0.862	21.89	329	490	503	749
400	37/.1040	0.659	16.74	0.120	3.05	0.905	22.99	376	560	561	835
500	37/.1159	0.736	18.69	0.120	3.05	0.982	24.94	471	701	675	1004
600	61/.0992	0.813	20.65	0.135	3.43	1.089	27.66	565	841	818	1217
750	61/.1109	0.908	23.06	0.135	3.43	1.184	30.07	706	1051	985	1466
1000	61/.1280	1.060	26.92	0.135	3.43	1.336	33.93	914	1360	1235	1838

Dimensions and weghts are nominal; subject to industry tolerances.
*Non-stock item; minimum runs apply.Please contact Customer Service for price and delivry.



COPPER PHOTOVOLTAIC WIRE 600V

APPLICATIONS

600V: For use in grounded and photovoltaic power systems.

CONSTRUCTION

Staranded bare and tinned copper conductors per ASTM B-3, B-8.

Chemically Cross-linked poyethylene insulation.

Available Colors:Black,Green,White,Red.

Print on one side with a contrasting ink. An extruded stripe and other coloer are available upon request.

STANDARDS

UL 4703 Type PV

National Electrical Code (NEC)

ICEA S-95-658/NEMA WC70

UL 44 Type RHH or RHW-2

UL 854 Type USE-2 for 600 V

c(UL) RWU90 1 kV (-40°C)

Other Compliances

EPA 40 CFR, Part 261 for leachable lead content per TCLP

OSHA Acceptable

RoHS Compliant, Sun Res, Gas and Oil Resistant II

OPTION

UL 1581 VW-1 compliance available on request

19 strand conductors available on request

PACKAGING

Material cut to length and shipped on non-returnable wood reels or steel reels.

Conductor Size (AWG/ kcmil)	Conductor Stranding	Nominal Conductor O.D.		Minimum Insulation Average Thickness		Nominal Cable Diameter		Copper Weight		Net Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	/MFT(lb)	/km(kg)	/MFT(lb)	/km(kg)
18	19/.0092	0.045	1.14	0.060	1.52	0.169	4.29	5	7	14	21
16	19/.0117	0.056	1.42	0.060	1.52	0.180	4.57	8	12	18	27
14	19/.0142	0.07	1.78	0.060	1.52	0.194	4.93	13	19	274	40
12	19/.0185	0.088	2.23	0.060	1.52	0.214	5.43	20	30	36	54
10	19/.0234	0.112	2.84	0.060	1.52	0.238	6.04	32	48	51	76
8	19/.0295	0.143	3.63	0.080	2.03	0.307	7.80	50	74	85	126
6	19/.0372	0.184	4.67	0.080	2.03	0.348	8.84	81	121	123	183
4	19/.0469	0.234	5.94	0.080	2.03	0.398	10.11	129	192	180	268
2	19/.0526	0.296	7.52	0.080	2.03	0.460	11.68	205	305	267	397
1	19/.0664	0.323	8.2	0.095	2.41	0.515	13.08	258	384	333	495
1/0	19/.0745	0.37	9.4	0.095	2.41	0.563	14.30	326	485	410	610
2/0	19/.0837	0.41	10.41	0.095	2.41	0.608	15.44	411	611	502	747
3/0	19/.0940	0.46	11.68	0.095	2.41	0.658	16.71	518	771	620	922
4/0	19/.1055	0.52	13.21	0.095	2.41	0.714	18.13	653	972	767	1141
250	37/.0822	0.558	14.17	0.110	2.79	0.784	19.91	772	1149	923	1374
300	37/.0900	0.611	15.52	0.110	2.79	0.837	21.26	926	1378	1090	1622
450	37/.0972	0.661	16.79	0.110	2.79	0.887	22.53	1063	1582	1240	1845
400	37/.1040	0.706	17.93	0.110	2.79	0.932	23.67	1235	1838	1423	2117
500	37/.1159	0.789	20.04	0.110	2.79	1.015	25.78	1509	2246	1718	2557
600	61/.0992	0.866	22.00	0.125	3.18	1.122	28.50	1883	2802	2136	3179
750	61/.1109	0.968	24.59	0.125	3.18	1.224	31.09	2316	3447	2597	3865
1000	61/.1280	1.117	28.37	0.125	3.18	1.373	34.87	3088	4595	3411	5075

COPPER PHOTOVOLTAIC WIRE 2000V

APPLICATIONS

Appropriate for use in solar power applications that require 1000 or 2000 volt rating.
For use in grounded and ungrounded Photovoltaic power systems.

CONSTRUCTION

Stranded bare and tinned copper conductors per ASTM B-3, B-8.

Chemically Cross-linked Polyethylene insulation.

Available Colors: Black, Green, White, Red.

Print on one side with a contrasting ink. An extruded stripe and other colors are available upon request.

STANDARDS

UL 4703 Type PV

National Electrical Code (NEC)

ICEA S-95-658/NEMA WC70

UL 44 Type RHH or RHW-2

UL 854 Type USE-2 for 600 V

UL RWU90 1 kV (-40°C)

OTHER COMPLIANCES

EPA 40 CFR, Part 261 for leachable lead content per TCLP

OSHA Acceptable

RoHS Compliant, Sun Res, Gas and Oil Resistant II

OPTION

UL 1581 VW-1 compliance available on request

19 strand conductors available on request

PACKAGING

Material cut to length and shipped on non-returnable wood reels.

Conductor Size (AWG/ kcmil)	Conductor Stranding	Nominal Conductor O.D.		Minimum Insulation Average Thickness		Nominal Cable Diameter		Copper Weight		Net Weight	
		(in)	(mm)	(in)	(mm)	(in)	(mm)	/MFT(lb)	/km(kg)	/MFT(lb)	/km(kg)
18	19/.0092	0.045	1.14	0.075	1.90	0.199	5.05	5	7	16	24
16	19/.0117	0.056	1.42	0.075	1.90	0.210	5.33	8	12	21	31
14	19/.0142	0.07	1.78	0.075	1.90	0.224	5.69	13	19	32	48
12	19/.0185	0.088	2.23	0.075	1.90	0.224	6.20	20	30	42	62
10	19/.0234	0.112	2.84	0.075	1.90	0.268	6.81	32	48	57	85
8	19/.0295	0.143	3.63	0.085	2.16	0.326	8.28	50	74	87	129
6	19/.0372	0.184	4.67	0.085	2.16	0.363	9.22	81	121	123	183
4	19/.0469	0.234	5.94	0.085	2.16	0.406	10.31	129	192	181	269
2	19/.0526	0.296	7.52	0.085	2.16	0.474	12.04	205	305	266	396
1	19/.0664	0.323	8.2	0.105	2.67	0.538	13.66	258	384	350	521
1/0	19/.0745	0.37	9.4	0.105	2.67	0.586	14.88	326	485	429	638
2/0	19/.0837	0.41	10.41	0.105	2.67	0.631	16.03	411	611	527	784
3/0	19/.0940	0.46	11.68	0.105	2.67	0.674	17.12	518	771	647	963
4/0	19/.1055	0.52	13.21	0.105	2.67	0.737	18.72	653	972	796	1184
250	37/.0822	0.558	14.17	0.12	3.05	0.804	20.42	772	1149	938	1396
300	37/.0900	0.611	15.52	0.12	3.05	0.857	21.77	926	1378	1106	1646
450	37/.0972	0.661	16.79	0.12	3.05	0.907	23.04	1063	1582	1257	1870
400	37/.1040	0.706	17.93	0.12	3.05	0.952	24.18	1235	1838	1441	2144
500	37/.1159	0.789	20.04	0.12	3.05	1.035	26.29	1509	2246	1737	2585
600	61/.0992	0.866	22.00	0.135	3.43	1.142	29.01	1883	2802	2157	3211
750	61/.1109	0.968	24.59	0.135	3.43	1.224	31.60	2316	3447	2620	3900
1000	61/.1280	1.117	28.37	0.135	3.43	1.393	35.38	3088	4595	3437	5115

ALUMINUM XHHW-2 POWER CABLE LOW FRICTION 600V/1000V

APPLICATIONS

Low Friction type XHHW-2 is primarily used in house construction, conduit, or recognized raceways for services, feeders, and branch circuit wiring in wet or dry locations, at temperaturesnot to exceed 90° C.
Voltage rating is 600V/1000V.

This product is designed to be installed without the application of pulling lubricant.

CONSTRUCTION

Conductor:Compact stranded AA-8000 series aluminum conductor material per ASTM B800, ASTM B801, ASTM B836, ASTM B901 (Single Input Wire), as applicable.

INSULATION

The insulation is a low coefficient of friction, abrasion, moisture, and heat resistant thermoset cross-linked polyethylene.

Stocking most sizes in Black, Red, Blue, White, Green, Brown, Orange, Yellow, and Gray.

STANDARDS

- UL 44, UL 1581, UL 2556
- Federal Specification A-A-59544 and the requirements of the NEC
- Federal speciíication JC-30B NEC
- ANSI/NEMA WC 70-2009 ICEA S-95-658-2009
- Sunlight Resistant in all color sizes 6AWG and larger.
- Basic Flame Rated (FT2) for sizes 6AWG and larger.
- RoHS compliant.

PACKAGING

- 250 ft reels
- 500 ft reels
- 1000 ft reels
- Master reels
- Coils

AMPACITY

To determine correct ampacity by conductor size, please consult the National Electric Code, Latest edition.

Size AWG/KCML	Stranding	Diameter of Conductor (mils)	Insulation Minimum (mils)	Insulation Nominal (mils)	Diameter Minimum (mils)	Diameter Nominal (mils)	Weight (lb/1000 ft)
6	7	169	40	45	246	259	38
4	7	213	40	45	289	303	56
3	7	238	40	45	313	328	68
2	7	268	40	45	343	358	82
1	18	299	50	55	393	409	108
1/0	18	336	50	55	428	446	130
2/0	19	376	50	55	467	486	160
3/0	19	423	50	55	512	533	196
4/0	19	475	50	55	563	585	242
250	36	520	58	65	626	650	290
300	36	537	58	65	642	667	342
350	36	603	58	65	707	733	392
400	36	659	58	65	762	789	444
500	36	722	58	65	824	852	544
600	60	780	72	80	908	940	668
700	60	845	72	80	972	1005	770
750	58	877	72	80	1003	1037	818
900	58	999	72	80	1123	1159	970

USE-2 / RHH / RHW-2 DIRECT BURIAL ALUMINUM CONDUCTOR 600V, 90°C WET OR DRY

APPLICATIONS

Type USE-RHH-RHW-2 building wire and service cable is recognized for use as general purpose wiring at a maximum conductor temperature of 90ºC in wet or dry locations for installation in air, conduit or other recognized raceways and for direct burial in circuits not exceeding 600 volts.

CONSTRUCTION

Compact stranded 8000 Series aluminum alloy conductor, black abrasion, heat, moisture and sunlight resistant cross-linked polyethylene insulation.

INSULATION

The insulation is a low coefficient of friction, abrasion, moisture, and heat resistant thermoset cross-linked polyethylene.

Stocking most sizes in Black, Red, Blue, White, Green, Brown, Orange, Yellow, and Gray.

STANDARDS

UL Standards 44 (RHW or RHH)
UL Standard 854 (USE-2)
Federal specification JC-30B NEC ASTM B800, B801, B836 as applicable.

AMPACITY

To determine correct ampacity by conductor size,
please consult the National Electric Code, the latest edition.

HX CABLE USA

Size AWG or MCM	Stranding	Insulation Thickness (mils)	Outside Diameter	Weight (lb/1000 ft)	Ampacity 90 °C
8	7/W	60 mls	.266 Inches	37 Lbs	45 Amps
6	7/W	60 mls	.290 Inches	49 Lbs	60 Amps
4	7/W	60 mls	.334 Inches	65 Lbs	75 Amps
2	7/W	60 mls	.390 Inches	94 Lbs	100 Amps
1	18/w	80 mls	.460 Inches	125 Lbs	115 Amps
1/0	18/w	80 mls	.500 Inches	150 Lbs	135 Amps
2/0	18/w	80 mls	.540 Inches	181 Lbs	150 Amps
3/0	18/w	80 mls	.590 Inches	220 Lbs	175 Amps
4/0	18/w	80 mls	.635 Inches	268 Lbs	205 Amps
250	35/w	95 mls	.710 Inches	320 Lbs	230 Amps
300	35/w	95 mls	.760 Inches	374 Lbs	255 Amps
350	35/w	95 mls	.810 Inches	428 Lbs	280 Amps
400	35/w	95 mls	.850 Inches	482 Lbs	305 Amps
500	35/w	95 mls	.930 Inches	591 Lbs	350 Amps
600	58/w	110 mls	1.035 Inches	715 Lbs	385 Amps
700	58/w	110 mls	1.100 Inches	821 Lbs	375 Amps
750	58/w	110 mls	1.130 Inches	873 Lbs	375 Amps
1000	58/w	110 mls	1.280 Inches	1132 Lbs	500 Amps

USE-2 / RHH / RHW-2 XLP-USE-2 COPPER CONDUCTOR 600V, 90°C WET OR DRY

APPLICATIONS

Single conductor cross linked polyethylene (XLP or XLPE) Type RHW-2 and USE-2 for use at 600 volts or less. It is approved per theNEC for general purpose lighting and power applications at a maximum continuous operating temperature of 90 ºC in wet and dry locations. For use in free air, raceways or direct burial in accordance with NEC.

CONSTRUCTION

The single copper conductors shall be solid or stranded annealed or hard uncoated copper per UL83 and ASTM requirements.Insulated with XLP as specified and applied tightly to the conductor in a concentric manner. All black insulation is rated Sunlight Resistant. The minimum at any point shall not be less than 90 % of the specified average thickness in compliance with UL 44. The wire shall be identified by surface marking indicating the manufacturer, conductor size, voltage rating, UL symbol, and type designation. The wire shall be continuously spark tested at 7500 Volts DC. Other electrical and mechanical tests shall be inaccordance with UL44, UL 854 and UL 1581.

STANDARDS

·ASTM B-1, B-3, and B-8 for copper conductors.
·ICEA S-66-524/NEMA WC7 Cross Linked Polyethylene Insulated Wire & Cable,
·UL 854 for Service Entrance Cables (incl. Para. 854-38.7 for 300 hr. sunlight resistance) and UL 44 for Thermoset Insulated Wires & Cables, Fed Spec J-C-30B.

HX CABLE USA

Size AWG or MCM	Number of Strands	Insulation Thickness (mls)	Approximate O.D. (Inches)	Copper Weight (lbs. per MFT)	Shipping Weight (lbs. per MFT)	Ampacity 90 °C Dry
14	7	45	0.16	12.7	22	15
12	7	45	0.17	20.2	31	20
10	7	45	0.20	32.1	45	30
8	7	60	0.27	51.0	74	55
6	7	60	0.31	81.1	108	75
4	7	60	0.37	128.9	161	95
3	7	60	0.39	162.5	198	110
2	7	60	0.43	204.9	244	130
1	19	80	0.51	258.4	319	150
1/0	19	80	0.56	325.8	392	170
2/0	19	80	0.60	410.9	484	195
3/0	19	80	0.66	518.1	599	225
4/0	19	80	0.72	653.3	743	260
250	37	95	0.80	771.9	889	290
300	37	95	0.86	926.3	1053	320
350	37	95	0.91	1081	1217	350
400	37	95	0.94	1235	1379	N/A
500	37	95	1.05	1544	1703	430
600	61	110	1.16	1853	2056	475
750	61	110	1.27	2316	2540	535
1000	61	110	1.44	3008	3343	615

ALUMINUM XLP UL
RHH/RHW-2 OR USE-2 90°C 2KV

APPLICATIONS

For use from the lower control box at the base of the wind power tower and out to the step-up transformer through conduit For use in free air, raceways or direct burial in accordance with NEC. Industrial environments where superior insulation toughness and chemical resistance is required Maximum operating temperature not to exceed 90 ºC in wet or dry locations.

PRODUCT CONSTRUCTION

Conductor: 8 AWG thru 1000 kcmil compacted aluminum ACM (AA-8000 Series)
Insulation: Flame-retardant Cross-Linked Polyethylene (XLPE) - Black
Print: HUAXING CABLE XLP AWG/KCMIL TYPE RHH/RHW-2 SR (UL) 2000V (MM/YYYY) SEQUENTIAL FOOTAGE MARK

COMPLIANCES

National Electric Code (NEC)
UL 44 Stranded for rubber-insulated wires and cables
ICEA S-95-685/NEMA WC70
UL listed as Type RHH/RHW-2
OSHA acceptable

FEATURES

Rated at 90 ºC wet or dry
UV resistant - black is marked SR
Excellent electrical, thermal and physical properties
Excellent resistance to moisture
Excellent resistance to crush, compression cuts and heat deformation

PACKAGING

Colors optional, to order.
All produced or cut-to-order material will be shipped on non-returnable wooden reels unless specifically requested

HX CABLE USA

Conductor Size AWG kcmil	No. of Wires	Conductor Diameter (in)	Insulation Thickness (mil)	Cable Diameter (in)	Aluminum Weight MFT (lb)	Net Weight MFT (lb)	Ampacity 90 °C
8	7	0.134	70	0.285	16	38	45
6	7	0.169	70	0.320	25	51	60
4	7	0.213	70	0.360	39	72	75
2	7	0.268	70	0.420	62	100	100
1	18	0.299	90	0.495	79	134	115
1/0	18	0.336	90	0.530	99	160	135
2/0	18	0.376	90	0.580	125	192	150
3/0	18	0.423	90	0.615	158	229	175
4/0	18	0.475	90	0.665	199	281	205
250	35	0.520	105	0.745	235	336	230
350	35	0.616	105	0.840	329	449	280
500	35	0.736	105	0.960	471	605	350
600	58	0.813	120	1.075	565	736	385
750	58	0.908	120	1.175	706	901	435
1000	58	1.060	120	1.325	941	1168	500

CU UL RHH/RHW-2 USE-2 2KV

APPLICATIONS

Type RHH/RHW-2 is suitable for use in free air, raceways or direct burial in accordance with NEC. Applications include general purpose wiring for power distribution, services, feeders, and branch circuit wiring in residential, industrial, and commercial buildings.

CONSTRUCTION

Conductor: Single copper conductor, stranded

Insulation: Heat resistant cross-linked polyethylene.Temperature rating is 90°C in wet and dry applications

Package: All produced or cut-to-order material will be shipped on non-returnable wooden reels unless specifically requested.

STANDARDS

ASTM B3, B8 and B787
UL 44 ICEA S-95-658/NEMA WC-70
Gasoline and Oil Resistant II
-40°C rated to 90°C in wet and dry applications
ULUS RWU90 1kV:UL Listed
ULRPVU90 1kV
Sunlight Resistant
RoHS Compliant

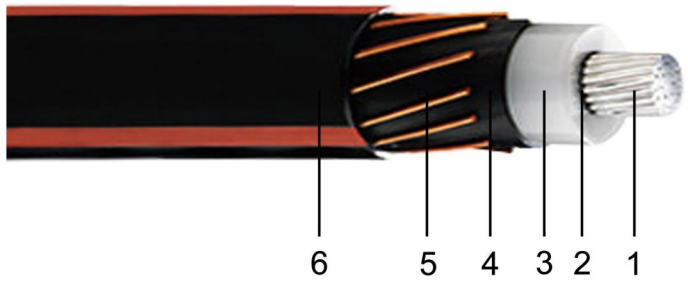
NOTES

Based on ambient temperature of 30°C per NEC-Table 310-17
Data shown is approximate and subject to standard industry tolerances.

HX CABLE USA

Stranding	Size AWG or KCMIL	Insulation Thickness (mils)	Nominal Overall Diameter (in)	Approximate Net Weight (lb/MFT)	Ampacity* 90°C Wet/Dry
7	14	60	0.193	27	35†
7	12	60	0.212	37	40†
7	10	60	0.236	51	55†
7	8	80	0.306	83	80
7	6	80	0.344	120	105
7	4	80	0.392	175	140
7	3	80	0.420	212	165
7	2	80	0.452	259	190
19	1	95	0.511	330	220
19	1/0	95	0.550	404	260
19	2/0	95	0.594	497	300
19	3/0	95	0.644	613	350
19	4/0	95	0.700	758	405
37	250	110	0.795	909	455
37	300	110	0.849	1,074	500
37	350	110	0.901	1,239	570
37	400	110	0.948	1,402	615
37	500	110	1.033	1,728	700
61	600	125	1.143	2,084	780
61	750	125	1.248	2,571	885

SPECIFICATION -35KV MV AL 100% TRXLPE CONCENTRIC NEUTRAL XLPE JACKET UL MV-105



CONSTRUCTION

1.**Conductor :** 1350 Aluminum, Compressed or Compressed Stranded with water-blocked filling compound

2.**Conductor Shield:** Semi-conducting Crosslinked Polyethylene.

3.**Insulation:** Tree Retardant Crosslinked Polyethylene (TRXLP)

4.**Insulation Shield:** Free Strippable Semi-conducting Crosslinked Polyethylene

5.**Concentric Neutral and water Block:** Copper Wires Helically Applied with different configuration. Water blocking powder applied over the insulation shield and around the neutral wires to resist longitudinal water penetration. Longitudinal water penetration shall be tested in accordance with the latest edition of ICEA T-34-664 except that the minimum requirements are 15 psig for 1 hour.

6.**Overall Jacket:**Black Crosslinked Polyethylene (XLPE) with Red Extruded Stripes.

HX CABLE USA

APPLICATIONS

Use in wet or dry locations, direct burial, underground ducts, and exposure to direct sunlight. Used for renewable projects with wind or solar applications and conductor temperature not to exceed 105ºC.

OPTIONS

- Without water-blocked filling compound conductor
- Conductor: aluminum
- Shield:copper
- Black XLPE jacket with no stripes
- Multiplex cables

STANDARDS

ICEA S-94-649 Standard for Concentric Neutral Cables Rated 5 - 46kV

UL 1072 Medium-Voltage Power Cables

AEIC CS-8

PRINTING INFORMATION

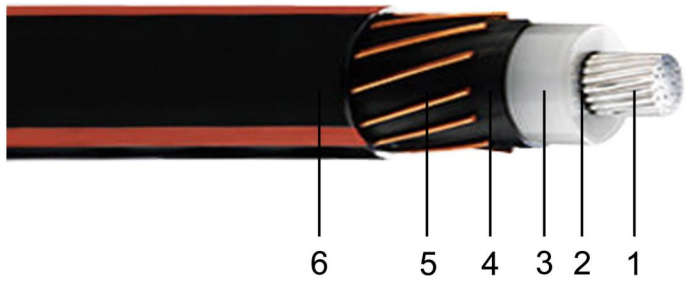
HUAXING CABLE E528306 AWG OR KCMIL AL 100% INSUL 345 MILS TR-XLPE

35kV MV-105 (SIZE OF CN) XLPE JACKET 0000FT 0001FT..... (MM/YY)

Conductor AL Size AWG or kcmil	Neutral Size	Neutral # of Wires (Size of Wires)	Conductor Nominal Diameter (in)	Insulation Minimum Diameter (in)	Insulation Maximum Diameter (in)	Jacket Nominal Diameter (in)	AL Weight lb/MFT	CU Weight lb/MFT	Net Weight lb/MFT
1/0	Full	16 (14)	0.3620	1.0450	1. 1450	1.426	99	201	994
1/0	2/3	11 (14)	0.3620	1.0450	1. 1450	1.409	99	137	902
1/0	1/2	8 (14)	0.3620	1.0450	1. 1450	1.409	99	102	86
1/0	1/3	6 (14)	0.3620	1.0450	1. 1450	1.409	99	76	83
2/0	Full	13 (12)	0.4060	1.0900	1.1900	1.444	125	256	1102
2/0	2/3	17 (14)	0.4060	1.0900	1.1900	1.4270	125	164	983
2/0	1/2	10 (14)	0.4060	1.0900	1.1900	1.4270	125	125	952
2/0	1/3	7 (14)	0.4060	1.0900	1.1900	1.4270	125	86	918
3/0	Full	16 (12)	0.4560	1.1400	1.2400	1.52	157	315	1224
3/0	2/3	11 (12)	0.4560	1.1400	1.2400	1.52	157	217	1141
3/0	1/2	13 (14)	0.4560	1.1400	1.2400	1.503	157	162	1055
3/0	1/3	9 (14)	0.4560	1.1400	1.2400	1.4770	157	109	1008
4/0	Full	20 (12)	0.5120	1. 1950	1.2950	1.576	199	394	1378
4/0	2/3	21 (14)	0.5120	1. 1950	1.2950	1.5590	199	262	1266
4/0	1/2	16 (14)	0.5120	1. 1950	1.2950	1.5590	199	199	1212
4/0	1/3	11 (14)	0.5120	1. 1950	1.2950	1.5590	199	137	1160
250	2/3	25 (14)	0.5580	1.2500	1.3500	1.6630	235	231	1473
250	1/2	19 (14)	0.5580	1.2500	1.3500	1.6630	235	237	1411
250	1/3	13 (14)	0.5580	1.2500	1.3500	1.6630	235	162	1346
250	1/6	10 (16)	0.5580	1.2500	1.3500	1.6370	235	64	1216
350	2/3	22 (12)	0.6610	1.3550	1.4550	1.8030	329	434	1826
350	1/2	26 (14)	0.6610	1.3550	1.4550	1.7700	329	324	1670
350	1/3	18 (14)	0.6610	1.3550	1.4550	1.7700	329	224	1588
350	1/6	14 (16)	0.6610	1.3550	1.4550	1.7430	329	109	1441

Conductor AL Size AWG or kcmil	Neutral Size	Neutral # of Wires (Size of Wires)	Conductor Nominal Diameter (in)	Insulation Minimum Diameter (in)	Insulation Maximum Diameter (in)	Jacket Nominal Diameter (in)	AL Weight lb/MFT	CU Weight lb/MFT	Net Weight lb/MFT
500	2/3	31 (12)	0.7890	1.4800	1.5800	1.9270	469	611	2227
500	1/2	24 (12)	0.7890	1.4800	1.5800	1.9270	469	473	2108
500	1/3	16 (12)	0.7890	1.4800	1.5800	1.9270	469	315	2219
500	1/6	13 (14)	0.7890	1.4800	1.5800	1.894	469	162	1746
750	1/2	22 (10)	0.9680	1.6700	1.7700	2.1880	704	691	2851
750	1/3	15 (10)	0.9680	1.6700	1.7700	2. 1670	704	471	2573
750	1/6	19 (14)	0.9680	1.6700	1.7700	2. 1120	704	237	2304
750	1/12	15 (16)	0.9680	1.6700	1.7700	2.0860	704	120	2142
1000	1/3	20 (10)	1. 1170	1.8150	1.9200	2.3390	939	628	3092
1000	1/6	16 (12)	1. 1170	1.8150	1.9200	2.2970	939	315	2823
1000	1/9	17 (14)	1. 1170	1.8150	1.9200	2.2630	939	212	2381
1000	1/12	13 (14)	1. 1170	1.8150	1.9200	2.2630	939	162	2615
1250	1/3	25 (10)	1.250	1.960	2.065	2.4840	1173	786	3717
1250	1/6	20 (12)	1.250	1.960	2.065	2.4420	1173	394	3274
1250	1/9	21 (14)	1.250	1.960	2.065	2.4420	1173	262	2769
1250	1/12	16 (14)	1.250	1.960	2.065	2.4080	1173	199	2998
1500	1/3	30 (10)	1.370	2.1000	2.2050	2.6540	1408	944	4314
1500	1/6	24 (12)	1.370	2. 1000	2.2050	2.6120	1408	473	3798
1500	1/12	19 (14)	1.370	2.1000	2.2050	2.5780	1408	238	3513

SPECIFICATION -35KV MV AL 100% TRXLPE CONCENTRIC NEUTRAL LLDPE JACKET UL MV-90



CONSTRUCTION

1.**Conductor:** 1350 Aluminum, Compressed or Compressed Stranded with water -blocked filling compound

2.**Conductor Shield:** Semi-conducting Crosslinked Polyethylene.

3.**Insulation:** Tree Retardant Crosslinked Polyethylene (TRXLP)

4.**Insulation Shield:** Free Strippable Semi-conducting Crosslinked Polyethylene

5.**Concentric Neutral and water Block:** Copper Wires Helically Applied with different configuration. Water blocking powder applied over the insulation shield and around the neutral wires to resist longitudinal water penetration. Longitudinal water penetration shall be tested in accordance with the latest edition of ICEA T-34-664 except that the minimum requirements are 15 psig for 1 hour.

6.**Overall Jacket:**Black Linear low density polyethyle (LLDPE) with Red Extruded Stripes.

HX CABLE USA

APPLICATIONS

Use in wet or dry locations, direct burial, underground ducts, and exposure to direct sunlight. Used for renewable projects with wind or solar applications and conductor temperature not to exceed 90ºC.

OPTIONS

- Without water-blocked filling compound conductor
- Conductor: aluminum
- Shield:copper
- Black LLDPE jacket with no stripes
- Multiplex cables

STANDARDS

ICEA S-94-649 Standard for Concentric Neutral Cables Rated 5 - 46kV

UL 1072 Medium-Voltage Power Cables

AEIC CS-8

PRINTING INFORMATION

HUAXING CABLE E528306 AWG OR KCMIL AL 100% INSUL 345 MILS TR-XLPE

35kV MV-90 (SIZE OF CN) LLDPE JACKET 0000FT 0001FT..... (MM/YY)

Conductor AL Size AWG or kcmil	Neutral Size	Neutral # of Wires (Size of Wires)	Conductor Nominal Diameter (in)	Insulation Minimum Diameter (in)	Insulation Maximum Diameter (in)	Jacket Nominal Diameter (in)	AL Weight lb/MFT	CU Weight lb/MFT	Net Weight lb/MFT
1/0	Full	16 (14)	0.3620	1.0450	1. 1450	1.426	99	201	994
1/0	2/3	11 (14)	0.3620	1.0450	1. 1450	1.409	99	137	902
1/0	1/2	8 (14)	0.3620	1.0450	1. 1450	1.409	99	102	86
1/0	1/3	6 (14)	0.3620	1.0450	1. 1450	1.409	99	76	83
2/0	Full	13 (12)	0.4060	1.0900	1.1900	1.444	125	256	1102
2/0	2/3	17 (14)	0.4060	1.0900	1.1900	1.4270	125	164	983
2/0	1/2	10 (14)	0.4060	1.0900	1.1900	1.4270	125	125	952
2/0	1/3	7 (14)	0.4060	1.0900	1.1900	1.4270	125	86	918
3/0	Full	16 (12)	0.4560	1.1400	1.2400	1.52	157	315	1224
3/0	2/3	11 (12)	0.4560	1.1400	1.2400	1.52	157	217	1141
3/0	1/2	13 (14)	0.4560	1.1400	1.2400	1.503	157	162	1055
3/0	1/3	9 (14)	0.4560	1.1400	1.2400	1.4770	157	109	1008
4/0	Full	20 (12)	0.5120	1. 1950	1.2950	1.576	199	394	1378
4/0	2/3	21 (14)	0.5120	1. 1950	1.2950	1.5590	199	262	1266
4/0	1/2	16 (14)	0.5120	1. 1950	1.2950	1.5590	199	199	1212
4/0	1/3	11 (14)	0.5120	1. 1950	1.2950	1.5590	199	137	1160
250	2/3	25 (14)	0.5580	1.2500	1.3500	1.6630	235	231	1473
250	1/2	19 (14)	0.5580	1.2500	1.3500	1.6630	235	237	1411
250	1/3	13 (14)	0.5580	1.2500	1.3500	1.6630	235	162	1346
250	1/6	10 (16)	0.5580	1.2500	1.3500	1.6370	235	64	1216
350	2/3	22 (12)	0.6610	1.3550	1.4550	1.8030	329	434	1826
350	1/2	26 (14)	0.6610	1.3550	1.4550	1.7700	329	324	1670
350	1/3	18 (14)	0.6610	1.3550	1.4550	1.7700	329	224	1588
350	1/6	14 (16)	0.6610	1.3550	1.4550	1.7430	329	109	1441

Conductor AL Size AWG or kcmil	Neutral Size	Neutral # of Wires (Size of Wires)	Conductor Nominal Diameter (in)	Insulation Minimum Diameter (in)	Insulation Maximum Diameter (in)	Jacket Nominal Diameter (in)	AL Weight lb/MFT	CU Weight lb/MFT	Net Weight lb/MFT
500	2/3	31 (12)	0.7890	1.4800	1.5800	1.9270	469	611	2227
500	1/2	24 (12)	0.7890	1.4800	1.5800	1.9270	469	473	2108
500	1/3	16 (12)	0.7890	1.4800	1.5800	1.9270	469	315	2219
500	1/6	13 (14)	0.7890	1.4800	1.5800	1.894	469	162	1746
750	1/2	22 (10)	0.9680	1.6700	1.7700	2.1880	704	691	2851
750	1/3	15 (10)	0.9680	1.6700	1.7700	2. 1670	704	471	2573
750	1/6	19 (14)	0.9680	1.6700	1.7700	2. 1120	704	237	2304
750	1/12	15 (16)	0.9680	1.6700	1.7700	2.0860	704	120	2142
1000	1/3	20 (10)	1. 1170	1.8150	1.9200	2.3390	939	628	3092
1000	1/6	16 (12)	1. 1170	1.8150	1.9200	2.2970	939	315	2823
1000	1/9	17 (14)	1. 1170	1.8150	1.9200	2.2630	939	212	2381
1000	1/12	13 (14)	1. 1170	1.8150	1.9200	2.2630	939	162	2615
1250	1/3	25 (10)	1.250	1.960	2.065	2.4840	1173	786	3717
1250	1/6	20 (12)	1.250	1.960	2.065	2.4420	1173	394	3274
1250	1/9	21 (14)	1.250	1.960	2.065	2.4420	1173	262	2769
1250	1/12	16 (14)	1.250	1.960	2.065	2.4080	1173	199	2998
1500	1/3	30 (10)	1.370	2.1000	2.2050	2.6540	1408	944	4314
1500	1/6	24 (12)	1.370	2. 1000	2.2050	2.6120	1408	473	3798
1500	1/12	19 (14)	1.370	2.1000	2.2050	2.5780	1408	238	3513

AAC BARE ALUMINUM

APPLICATIONS

Stranded 1350 aluminum conductors shown in this section of data are classified as follows: bare conductors usually used in overhead lines; conductors to be covered with weather-resistant materials and for bare conductors where greater flexibility is required. Compact strand conductor for use in bare overhead applications or for use with weather-resistant coverings or insulations is also available.

SPECIFICATIONS

Aluminum alloy 1350-H19 wires, concentrically stranded.

AAC bare conductors meet or excede the following ASTM Specifications:

- **B-230** Aluminum Wire, 1350-H19 for Electrical Purposes
- **B-231** Aluminum Conductors, Concentric-Lay-Stranded
- **B-400** Compact Round Concentric-Lay-Stranded Aluminum 1350 Conductors

NOTES

1.Resistance is calculated using ASTM standard increments of stranding and metal conductivity of 52.5% IACS, AC resistance at 60Hz

2.Current ratings are based on 75℃ ambient, 2f/s wind, 96/watts/sq. foot sun, 0.5 coefficients of emissivity andabsorption.

Code Word	AWG	Stranding	Diameter		Cross Sectional Area (sq. in.)	Weight per 1000 ft (Lbs)	Rated Breaking Strength (Lbs)	Resistance OHMS/1000 ft		Rating (AMPS)
		# of Wires	Indiv. Wire	Complete Cable OD				DC @ 20˚C	AC @ 75˚C	
Peachbell	6	7/w	.0612	.184	.0206	24.6	563	.658	.805	103
Rose	4	7/w	.0772	.232	.0328	39.2	881	.414	.506	138
Iris	2	7/w	.0974	.292	.0521	62.3	1,350	.260	.318	185
Pansey	1	7/w	.1093	.328	.0657	78.5	1,640	.207	.252	214
Poppy	1/0	7/w	.1228	.368	.0829	99.1	1,990	.164	.202	247
Aster	2/0	7/w	.1379	.414	.1045	124.9	2,510	.130	.159	286
Phlox	3/0	7/w	.1548	.464	.1318	157.5	3,040	.103	.126	331
Oxlip	4/0	7/w	.1739	.522	.1662	198.6	3,830	.0817	.0999	383
Sneezewort	250	7/w	.1890	.567	.1964	234.7	4,520	.0691	.0846	425
Valerian	250	19/w	.1147	.574	.1964	234.7	4,660	.0691	.0846	426

Code Word	AWG	Stranding	Diameter		Cross Sectional Area (sq. in.)	Weight per 1000 ft (Lbs)	Rated Breaking Strength (Lbs)	Resistance OHMS/1000 ft		Rating (AMPS)
		# of Wires	Indiv. Wire	Complete Cable OD				DC @ 20˚C	AC @ 75˚C	
Daisy	266.8	19/w	.1953	.586	.2095	250.5	4,830	.0648	.0793	443
Laurel	266.8	19/w	.1185	.593	.2095	250.5	4,970	.0648	.0793	444
Peony	300	19/w	.1257	.629	.2356	286.1	5,480	.0576	.0706	478
Tulip	336.4	19/w	.1331	.666	.2642	315.8	6,150	.0514	.0630	513
Daffodil	350	19/w	.1357	.679	.2749	328.6	6,390	.0494	.0605	526
Canna	397.5	19/w	.1447	.724	.3122	373.2	7,110	.0435	.0534	570
Goldentuft	450	19/w	.1538	.769	.3534	422.4	7,890	.0384	.0472	616
Cosmos	477	19/w	.1584	.793	.3746	447.8	8,360	.0362	.0445	639
Syringa	477	37/w	.1135	.795	.3746	447.8	8,690	.0362	.0445	639
Zinnia	500	19/w	.1622	.811	.3927	469.4	8,760	.0346	.0425	658
Hyacinth	500	37/w	.1162	.813	.329	469.4	9,110	.0346	.0425	658
Dahlia	556.5	19/w	.1711	.856	.4371	522.4	9,750	.0311	.0382	703
Mistletoe	556.5	37/w	.1226	.858	.4371	522.4	9,940	.0311	.0382	704
Meadowsweet	600	37/w	.1273	.891	.4712	563.2	10,700	.0288	.0355	738
Orchid	636	37/w	.1311	.918	.4995	597.0	11,400	.0272	.0355	765
Heuchera	650	37/w	.1326	.928	.5105	610.2	11,600	.0266	.0328	775
Verbena	700	37/w	.1375	.963	.5498	657.1	12,500	.0247	.0305	812
Flag	700	61/W	.1071	.964	.5498	657.1	12,900	.0274	.0305	812
Violet	715.5	37/w	.1391	.974	.5620	671.7	12,800	.0242	.0299	823
Nasturtium	715.5	61/w	.1083	.975	.5620	671.7	13,100	.0242	.0299	823
Petunia	750	37/w	.1424	.997	.5891	704.0	13,500	.0230	.0286	847
Cattail	750	61/w	.1109	.998	.5891	704.0	13,500	.0230	.0286	847
Arbutus	795	37/w	.1446	1,026	.6244	746.3	13,900	.0217	.0271	878
Lilac	795	61/W	.1142	1,028	.6244	746.3	14,300	.0217	.0270	879
Cockscomb	900	37/w	.1560	1,092	.7069	844.9	15,400	.0192	.0239	948
Snapdragon	900	61/w	.1215	1,094	.7069	844.9	15,900	.0192	.0239	948
Magnolia	954	37/w	.1606	1,124	.7493	895.6	16,400	.0181	.0226	982
Goldenrod	954	61/w	.1251	1,126	.7493	895.6	16,900	.0181	.0226	983
Hawkweed	1000	37/w	.1644	1,150	.7854	938.7	17,200	.0173	.0216	1010
Camellia	1000	61/w	.1280	1,152	.7854	938.7	17,700	.0173	.0216	1011
Bluebell	1033.5	37/w	.1671	1,170	.8117	970.2	17,700	.0167	.0210	1031
Larkspur	1033 5	61/w	.1302	1,172	.8117	970.2	18,300	.0167	.0210	1032
Marigold	1113	61/w	.1351	1,216	.8742	1045	19,700	.0155	.0195	1079
Hawthorn	1192.5	61/w	.1398	1,258	.9366	1119	21,100	.0145	.0183	1124
Narcissus	1272	61/w	.1444	1,300	.9990	1194	22,000	.0136	.0173	1169
Columbine	1351.5	61/w	.1489	1,340	1,061	1269	23,400	.0128	.0163	1212
Carnation	1431	61/w	.1532	1,379	1,124	1343	24,300	.0121	.0155	1253
Gladiolus	1510.5	61/w	.1574	1,417	1,186	1418	25,600	.0144	.0147	1294
Coreopsis	1590	61/w	.1614	1,454	1,249	1493	27,000	.0109	.0141	1333
Jessamine	1750	61/w	.1694	1,525	1,374	1643	29,700	.00988	.0129	1408
Cwslip	2000	91/w	.1482	1,630	1,571	1877	34,200	.00864	.0115	1518
Sagebrush	2250	91/w	.1572	1,729	1,767	2131	37,500	.00776	.0105	1612
Lupine	2500	91/w	.1657	1,823	1,964	2370	41,900	.00698	.00969	1706
Bitterroot	2750	91/w	.1739	1,913	2,160	2607	46,100	.00635	.00900	1793
Trillium	3000	127/w	.1537	1,996	2,356	2844	50,300	.00582	.00834	1874
Bluebonnet	3500	127/w	.1660	2,158	2,749	3350	58,700	.0049	.00756	2024

AAAC - ALLOY BARE ALUMINUM

APPLICATIONS

Used as bare overhead conductor for primary and secondary distribution. Designed utilizing a high-strength aluminum alloy to achieve a high strength to-weight ratio; affords better sag characteristics. Aluminum alloy gives AAAC higher resistance to corrosion than ACSR.

PRODUCT FEATURES

Standard 6201-T81 high strength aluminum conductors, conforming to ASTM Specification B-399, are concentric-lay-stranded, similar in construction and appearance to 1350 grade aluminum conductors. Standard 6201 alloy conductors are similar to other alloy conductors commercially known as Ardival, Aldrey or Almelec. They were developed to fill the need for an economical conductor for overhead applications requiring higher strength that that obtainable by 1350 grade aluminum conductors, but without a steel core. The DC resistance at 20°C of the 6201-T81 conductors and the standard ACSR of the same diameter are approximately the same. Conductors of the 6201-T81 allows are harder and, therefore, have greater resistance to abrasion than conductors of 1350-H19 grade aluminum.

SPECIFICATIONS

AAAC bare conductor meets or exceeds the following ASTM specifications:

- **B-398** Aluminum Alloy 6201-T81 Wire for Electrical Purposes
- **B-399** Concentric-Lay-Stranded 6201-T81 Aluminum Alloy Conductors

NOTES

1. Resistance is calculated using ASTM standard increments of stranding, and metal conductivity of 52.5% IACS AC resistance at 60 Hz.
2. Current ratings are based on 75°C conductor temperature, 25°C ambient, 2ft/s wine, 96/watts/sq. foot sun, 0.5 coefficients of emissivity and absorption.

Code Word	Size (KCM)	Strand	ACSR Cond with Equivalent Resistance	Equivalent AL/ST Stranding	Diameter		Cross Sectional Area (sq. in.)	Weight per 1000 ft (Lbs)	Rated Strength (Lbs)	Resistance OHMS/1000 ft		Rating (AMPS)
					Indiv. Wire	Complete Cable OD				DC @ 20°C	AC @ 75°C	
Akron	30.58	7/w	6	6/1	.0661	.198	.0240	28.7	1,110	.659	.785	107
Alton	48.69	7/w	4	6/1	.0834	.250	.0382	45.7	1,760	.414	.493	143
Ames	77.47	7/w	2	6/1	.1052	.316	.0608	72.7	2,800	.260	.310	191
Azusa	123.3	7/w	1/0	6/1	.1327	.398	.0968	115.7	4,460	.163	.195	256
Anaheim	155.4	7/w	2/0	6/1	.1490	.447	.1221	145.9	5,390	.130	.154	296
Amherst	195.7	7/w	3/0	6/1	.1672	.502	.1537	183.7	6,790	.103	.123	342
Alliance	246.9	7/w	4/0	6/1	.1878	.563	.1939	231.8	8,5601	.0816	.0973	395
Butte	312.8	19/w	266.8	26/7	.1283	.642	.2456	293.6	1,0001	.0644	.0769	460
Canton	394.5	19/w	336.4	26/7	.1441	.721	.3098	370.3	3,3001	.0511	.0610	532
Cairo	465.4	19/w	397.5	26/7	.1565	.783	.3655	436.9	5,6001	.0433	.0518	590
Darien	559.5	19/w	477.0	26/7	.1716	.858	.4394	521.7	8,8002	.0360	.0371	663
Elgin	652.4	19/W	556.5	26/7	.1853	.927	.5124	612.4	1,9002	.0309	.0327	729
Flint	740.8	19/w	636.0	26/7	.1415	.991	.5818	695.5	4,400	.0272	.0420	790
Greeley	927.2	19/w	795.0	26/7	.1583	1.108	.7282	870.4	30.500	.0217	.0263	908

ACSR ALUMINUM CONDUCTOR STEEL REINFORCED

APPLICATIONS

Used as bare overhead transmission cable and as primary and secondary distribution cable. ACSR offers optimal strength for line design. Variable steel core stranding enables desired strength to be achieved without sacrificing ampacity.

PRODUCTFEATURES

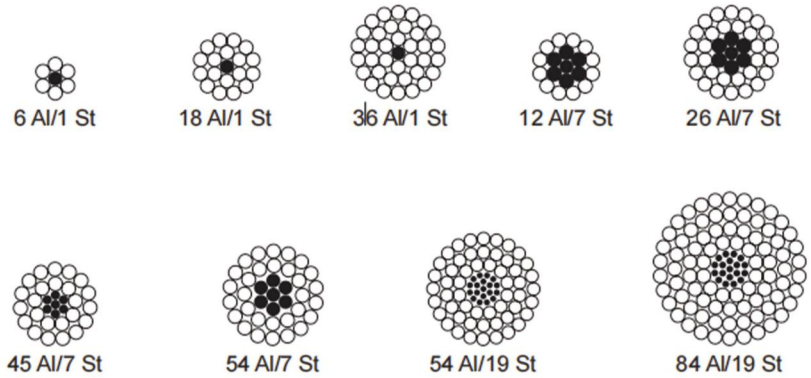
Aluminum alloy 1350-H-19 wires, concentrically stranded about one steel core. Core wire for ACSR is available with class A, B, or C galvanizing; “aluminized” aluminum coated (AZ) or aluminum-clad (AW). Additional corrosion protection is available through the application of grease to the core or infusion of the complete cable with grease.

SPECIFICATIONS

ACSR bare conductor meets or exceeds the following ASTM specifications:

- B-230 Aluminum Wire, 1350-H19 for Electrical Purposes
- B-231 Aluminum Conductors, Concentric-Lay-Stranded
- B-232 Aluminum Conductors, Concentric-Lay-Stranded, Coated Steel Reinforced
- B-341 Aluminum-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR/AZ)
- B-498 Zinc-Coated Steel Core Wire for Aluminum Conductors, Steel Reinforced (ACSR/AZ)
- B-500 Zinc-Coated and Aluminum-Coated Stranded Steel Core for Aluminum Conductors, Steel Reinforced (ACSR)

HX CABLE USA



Conductor temperature of 75°C, ambient temperature 25°C, emissivity 0.5, wind 2ft./sec...in sun.

1. Resistance is calculated using ASTM standard increments of stranding, and metal conductivies of 61.2% IACS for EC (1350),
and 8% IACS for steel. AC (60 Hz) resistance includes current dependent hysteresis loss factor for 1 and 3 constructions.
2. Current ratings are based on 75°C conductor temperature, 25°C ambient, 2ft/sec wind, 96/watts/sq. foot sun, 0.5 coefficients of
emissivity and absorption.

Code Word	Size (AWG or KCM)	Stranding (AL/STL)	Diameter				Weight per 1000 ft (Lbs)			Content %		Rated Breaking Strength (Lbs)	Resistance OHMS/1000 ft		Rating (AMPS)
			Indiv. Wire AL	Indiv. Wire STL	Steel Core	Complete Cable OD	AL	STL	Total	AL	STL		DC @ 20°C	AC @ 75°C	
Turkey	6	6/1	.0661	.0661	.0661	.198	24.5	11.6	36.1	67.90	32.10	1,190	.641	.806	105
Swan	4	6/1	.0834	.0834	.0834	.250	39.0	18.4	57.4	67.90	32.10	1,860	.403	.515	140
Swanate	4	7/1	.0772	1029	.1029	.257	39.0	28.0	67.0	58.13	41.87	2,360	.399	.519	140
Sparow	2	6/1	.1052	.1052	.1052	.316	62.0	29.3	91.3	67.90	32.10	2,850	.254	.332	184
Sparate	2	7/1	.0974	.1299	.1299	.325	62.0	44.7	105.7	58.13	41.87	3,640	.251	.338	184
Robin	1	6/1	.1181	1181	.1181	.354	78.2	36.9	115.1	67.90	32.10	3,550	.201	.258	212
Raven	1/0	6/1	.1327	.1327	.1327	.398	98.7	46.6	145.3	67.90	32.10	4,380	.149	.217	242
Quail	2/0	6/1	.1489	1489	.1489	.447	124.3	58.7	183.0	67.90	32.10	5,300	.126	.176	276
Pigeon	3/0	6/1	.1672	.1672	.1672	.502	156.7	74.0	230.7	67.90	32.10	6,620	.100	.144	315
Penguin	4/0	6/1	.1878	.1878	.1878	.563	197.7	93.4	291.1	67.90	32.10	8,350	.0795	.119	357
Waxwing	266.8	18/1	1217	1217	.1217	.609	250.3	39.2	289.5	86.45	13.55	6,880	.0643	.0787	449
Partridge	266.8	26/7	.1013	.0788	.2364	.642	251.7	115.6	367.2	68.53	31.47	11,300	.0637	.0779	475
Ostrich	300.0	26/7	.1074	.0835	.2505	.680	282.9	129.8	412.7	68.53	31.47	12,700	.0567	.0693	492
Merlin	336.4	18/1	.1367	.1367	.1367	.683	315.8	49.5	365.2	86.45	13.55	8,680	.0510	.0625	519
Linnet	336.4	26/7	.1137	.0884	.2642	.720	317.1	145.4	462.5	68.53	31.47	14,100	.0505	.0618	529
Oriole	336.4	30/7	.1059	.1059	.3117	.741	3182	208.9	527.1	60.35	39.65	17,800	.0505	.0613	535
Chickadee	397.5	18/1	.1486	.1486	.1486	.743	373.1	58.5	431.6	86.45	13.55	9,940	.0432	.0529	576
Brant	397.5	24/7	1287	.0858	.2574	.772	375.0	137.0	512.0	73.23	26.77	14.500	.0430	.0526	584
Ibis	397.5	26/7	.1236	.0961	.2882	.783	374.7	171.9	546.6	68.53	31.47	16,300	.0428	.0523	587
Lark	397.5	30/7	.1151	.1151	.3453	.806	375.8	346.8	622.6	60.35	39.65	20,300	.0425	.0519	594
Pelican	477.0	18/1	.1628	.1628	.1628	.814	447.8	70.2	518.0	86.45	13.55	11,800	.0360	.0442	646
Flicker	477.0	24/7	.1410	.0940	.2820	.846	450.1	164.4	614.5	73.23	26.77	17,200	.0358	.0439	655
Hawk	477.0	26/7	.1354	.1053	.3159	.858	449.6	205.4	656.0	68.53	31.47	19,500	.0356	.0436	659
Hen	477.0	30/7	.1261	.1261	.3783	.883	451.1	298.2	747.3	60.35	39.65	23,800	.0354	.0433	666
Osprey	556.5	18/1	.1758	.1758	.1758	.879	552.2	81.8	604.0	86.45	13.55	13,700	.0308	.0379	711
Parakeet	556.5	24/7	.1523	.1015	.3045	.914	525.1	191.7	716.8	73.23	26.77	19,800	.0307	.0376	721
Dove	556.5	26/7	.1463	.1138	.3414	.927	525.0	241.0	766.0	68.53	31.47	22,500	.0306	.0375	726
Eagle	556.5	30/7	.1362	.1362	.4086	.953	526.3	345.6	871.9	60.35	39.75	27,800	.0303	.0372	734
Peacock	605.0	24/7	.1588	.1059	.3177	.953	570.2	208.7	779.6	73.23	26.77	21,600	.0282	.0346	760
Squab	605.0	26/7	.1525	.1186	.3558	.966	570.4	261.8	832.2	68.53	31.47	24,300	0281	.0345	765
Wood Duck	605.0	30/7	1420	1420	.4260	.994	572.0	375.6	947.6	50.35	39.55	28,900	.0279	.0342	714
Teal	605.0	30/19	1420	.0852	.4260	.994	572.0	367.4	939.4	60.89	39.11	30,000	.0278	.0342	773
Kingbird	636.0	18/1	.1880	.1880	.1880	.940	596.4	93.6	690.8	86.45	13.55	15,700	.0270	.0332	773
Swift	636.0	36/1	.1329	.1329	.1329	.930	596.9	46.8	643.7	92.80	7.20	13,800	.0271	.0334	769
Rook	636.0	24/7	1628	.1085	.3255	.977	600.0	219.1	819.1	73.23	26.77	22,600	.0268	.0330	784
Grsbeak	636.0	26/7	1564	.1216	.3648	.990	598.7	276.2	874.	68.53	31.47	25,200	.0267	.0328	789
Scoter	636.0	30/7	.1456	.1456	.4368	1.019	601.4	394.9	996.3	60.35	39.55	30,400	.0256	.0325	798
Egret	636.0	30/19	.1456	.0874	.4370	1.019	601.4	386.6	988.0	60.89	39.11	31,500	.0266	.0326	798

Code Word	Size (AWG or KCM)	Stranding (AL/STL)	Diameter				Weight per 1000 ft (Lbs)			Content %		Rated Breaking Strength (Lbs)	Resistance OHMS/1000 ft		Rating (AMPS)
			Indiv. Wire AL	Indiv. Wire STL	Steel Core	Complete Cable OD	AL	STL	Total	AL	STL		DC @ 20°C	AC @ 75°C	
Flamingo	666.6	24/7	.1667	.1111	.333	1.000	629.1	229.7	858.8	73.23	26.77	23,700	.0256	.0315	807
Gannet	666.6	26/7	.1501	.1245	.2725	1.014	628.7	288.5	917.2	68.53	31.47	26,400	.0255	.0313	812
Stilt	715.5	24/7	.1727	.1151	.3453	1.036	675.2	246.5	921.7	73.23	26.77	25,500	.0239	.0294	844
Staring	715.5	26/7	.1659	.1290	.3870	1.051	675.0	309.7	984.7	68.53	31.47	28,400	.0238	.0292	849
Redwing	715.5	30/19	.1544	.0926	.4630	1.081	676 .3	434.0	1110	6089	39.11	4,600	.0236	.0290	859
Coot	715.0	36/1	.1486	.1486	.1486	1.040	746.2	58.5	804.7	92.80	7.20	16,800	.0217	.0268	884
Cuckoo	795.0	24/7	.1820	.1213	.3640	1.092	749.9	273.8	1024	72.23	26.77	27,900	.0215	.0265	901
Drake	795.0	26/7	.1749	.1360	.4080	1.108	750.3	344.2	1094	68.53	31.47	31,500	.0214	.0261	907
Tern	795.0	45/7	.1329	.0886	.2660	1.063	749.8	146.1	895.5	83.69	16.31	22,100	.0216	.0269	887
Condor	795.0	54/7	.1213	1213	.3639	1.092	749.5	273.6	1023	73.25	26.75	28,200	.0215	.0272	889
Mallard	795.0	30/19	.1628	.0977	.4885	1.140	751.9	483.1	1235	60.89	39.11	38,400	.0213	.0261	918
Ruddy	900.0	45/7	.1414	.0943	.2829	1.131	848.7	165.5	1014	83.69	16.31	24,400	.0191	.0239	958
Canary	900.0	54/7	.1291	.1291	.3873	1.162	849.0	309.9	1149	73.25	26.75	31.900	.0190	0241	961
Rail	954.0	45/7	.1456	.0971	.2913	1.165	899.9	175.5	1075	83.69	16.31	25,900	.0180	.0225	993
Cardinal	954.0	54/7	.1329	.1329	.3987	1.196	899.0	328.4	1228	73.25	26.75	33,800	.0179	.0228	996
Ortolan	1033.5	45/7	.1515	.1010	.3030	1.212	974.3	189.8	1164	83.69	16.31	37,700	.0167	.0209	1043
Curew	1033.5	54/7	.1383	.1383	.4149	1.245	974.3	355.6	1330	73.25	26.75	36,600	.0165	.0211	1047
Bluejay	1113.0	45/7	.1573	.1049	.3147	1.259	1050	204.8	1255	83.69	16.31	29,800	.0155	.0194	1092
Finch	1113.0	54/19	.1436	.0862	.4310	1.293	1056	276.1	1432	73.75	26.75	39,100	.0154	.0197	1093
Bunting	1192.5	45/7	.1628	.1085	.3255	1.302	1125	219.1	1344	83.69	16.31	32.000	.0144	.0182	1139
Grackle	1192.5	54/19	.1486	.0892	.4460	1.338	1130	402.7	1533	73.75	26.25	41,900	.0144	.0184	1140
Bittern	1272.0	45/7	.1681	.1121	.3363	1.345	1200	233.9	1433	83.69	16.31	34,100	.0135	.0171	1184
Pheasant	1272.0	54/19	.1535	.0921	.4605	1.382	1206	429.3	1635	73.75	26.25	43,500	.0135	.0173	1187
Dipper	1351.0	45/7	.1733	.1155	.3465	1.386	1275	248.3	1525	83.69	16.31	36,200	.0127	.0162	1229
Martin	13510	54/19	.1582	.0949	.4745	1.424	1281	455.8	1737	72.75	26.25	46,300	.0127	.0163	1232
Bobolink	1431.0	45/7	.1783	.1189	.3567	1.427	1350	263.1	1613	83.69	16.31	38,300	.0120	.0153	1272
Plover	1431.0	54/19	.1628	.097	.4885	1.465	1357	483.1	1840	73.75	26.25	49,100	.0120	.0155	1275
Nuthatch	1510.5	45/7	.1832	.1221	.3663	1.465	1425	277.4	1702	83.69	16.31	40,100	.0144	.0146	1313
Parrot	1510.5	54/19	.1672	.1003	.5015	1.505	1431	509.2	1940	73.75	26.25	51,700	.0114	.0147	1318
Lapwing	1590.0	45/7	.1880	.1253	.3759	1.504	1505	292.2	1797	83.69	16.31	42,200	.0108	.0139	1354
Falcon	1590.0	54/19	.1716	.1030	.5150	1.545	1507	537.0	2044	73.75	26.25	54,500	.0108	.0137	1359
Chukar	1780.0	84/19	.1456	.874	.4370	1.602	1688	386.6	2975	81.3	18.7	51,000	.0097	.0125	1453
Bluebird	2156.0	84/19	.1602	.0961	.4805	1.762	2044	467.4	2511	81.3	18.7	60,300	.0081	.0106	1623
Kiwi	2167.0	72/7	.1735	1157	.3471	1.735	2055	248.9	2303	89.2	10.8	49,800	.0080	.0106	1607
Thrasher	2312.0	76/19	.1744	.0814	.4070	1.802	2191	335.4	2527	86.73	13.27	56,700	.0075	.0100	1673
Joree	2515.0	76/19	.1819	.0849	.4245	1.880	2384	364.8	2749	85.73	13.27	61.700	.0069	.0093	1751

STRANDED BARE COPPER

APPLICATIONS

Suitable for use in substations as uninsulated hook ups, jumpers, and grounds

CONSTRUCTION DETAILS

- Bare copper conductor
- Available in soft-drawn (annealed), medium hard-drawn, or hard-drawn tempers
- Concentric-lay or combination unilay stranded, depending on stranding and temper

SPECIFICATIONS

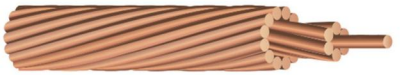
Huaxing Cable's Bare Copper Conductor meets or exceeds applicable ASTM specifications:

- B 1: Hard-Drawn Copper Wire
- B 2: Medium-Hard-Drawn Copper Wire
- B 3: Soft or Annealed Copper Wire
- B 8: Concentric-Lay-Stranded Copper Conductor, Hard, Medium-Hard or Soft
- B 787: 19 Wire Combination Unilay-Stranded Copper Conductor

OPTIONS

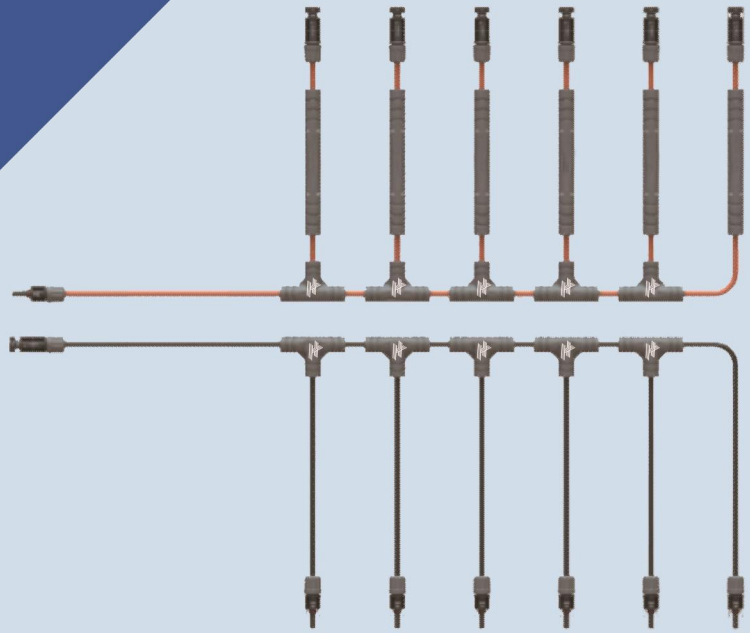
- Solid (1 strand)
- Stranded (7, 19, 37, 61 strands)

HX CABLE USA



Size (AWG or kcmil)	Strand-ing	Weight (lbs/ 1000 ft)	Diameter (inches)		Hard Drawn		Medium-Hard Drawn		Soft Drawn (Annealed)		Allowable Ampacity+
			Rated Stren-gth (lbs)	Rdc @ 20°C (Ω/1000 ft)	Indi-vidual	Complete Cable	Rated Strength (lbs)	Rdc @ 20°C (Ω/1000 ft)	Rated Stren-gth (lbs)	Rdc @ 20°C (Ω/1000 ft)	
8	7	51	0.049	0.146	777	0.6663	610	0.6629	499	0.6408	95
6	7	81	0.061	0.184	1228	0.4191	959	0.4169	794	0.4030	130
4	7	129	0.077	0.232	1938	0.2636	1505	0.2622	1320	0.2534	120
3	7	163	0.087	0.260	2433	0.2090	1885	0.2079	1670	0.2010	200
2	7	205	0.097	0.292	3050	0.1660	2360	0.1650	2110	0.1578	230
1	7	258	0.109	0.328	3801	0.1316	2955	0.1309	2552	0.1252	265
1/0	7	326	0.123	0.368	4752	0.1042	3705	0.1037	3221	0.1002	310
1/0	19	326	0.075	0.373	4752	0.1042	3705	0.1037	3221	0.1002	310
2/0	7	411	0.138	0.414	5926	0.0827	4640	0.0822	4062	0.0795	355
2/0	19	411	0.084	0.418	6690	0.0827	4765	0.0822	4024	0.0795	355
3/0	7	518	0.155	0.464	7366	0.0656	5812	0.0652	5118	0.0630	410
4/0	7	653	0.174	0.522	9154	0.0520	7278	0.0517	6459	0.0500	480
4/0	19	653	0.106	0.528	9617	0.0520	7479	0.0517	6453	0.0500	480
250	19	772	0.115	0.574	11360	0.0440	8836	0.0438	7627	0.0423	530
250	39	772	0.082	0.575	11600	0.0440	8952	0.0438	7940	0.0423	530
300	19	926	0.126	0.628	13510	0.0367	10530	0.0365	9160	0.0353	590
350	19	1081	0.136	0.679	15590	0.0314	12200	0.0313	10680	0.0302	650
500	37	1544	0.116	0.814	22510	0.0220	17550	0.0219	15240	0.0212	810
600	37	1853	0.127	0.891	27020	0.0183	21060	0.0183	18300	0.0176	910
750	61	2316	0. 111	0.998	34090	0.0147	26510	0.0146	22890	0.0141	1040
1000	61	3088	0.128	1.152	45030	0.0110	35100	0.0109	30500	0.0106	1240

H SERIES SOLAR INTEGRATED HARNESSES



SOLAR INTEGRATED HARNESS

Features

- MAX RATED CURRENT 400A
- MAX RATED SYSTEM VOLTAGE DC 1500V
- BETTER BOS COST
- HI-TECH SEALING TECHNOLOGY
- AUTHORIZED PATENTS
- UV RESISTANCE
- IP 68
- IEC&UL QUALIFIED AND CERTIFIED

Parameter Data

TYPE	CABLE	CONNECTOR	VOLTAGE	FUSE	Remark
H-I: I Junction	A:2.5mm2/14AWG	A:A4 Max Series	L:1100V	01:1A	
H-Y:Y Junction	B:4m㎡2/12AWG	B: STAUBLI KST4(MC4)	H:1500V	02:2A	
H-X: X Junction	C:6m㎡2/10AWG	C: STAUBLI MC4-EVO2		03:3A	
H-T: T Junction	D: 10mm2/8 AWG	D:CANADIANSOLAR T4/T6		04:4A	
H-3B1:3B1Junction	E:16m㎡2/6 AWG	E:TRANASOLAR TS4/Plus		----	
H-4B1:4B1 Junction	F: 95m㎡2 Alloy Cable	F: JINKO JK03M 1/2/3 Series		25:25A	
H-4B2:4B2 Jnction	G: 120m㎡2 Alloy Cable	G: LONGI PV LR-5 Series		----	
H-5B1:5B1 Junction	H: 150m㎡ Alloy Cable	H: AMPHENOL H4/Plus		XX: max 80A	
H-6B1: 6B1 Junction	I:185m㎡ Alloy Cable	I: Option			
H6 Galaxy	L: 240m㎡2 Alloy Cable				

Remark

Pis get more information from hxcableusa.com

H-Y Branch

H-Y Solar Branch

H-Y

DC 1500V,MAX 70A

UL94-V0

UL1500V/ IEC1500V

IP 68

UV RESISTANCE

TYPE	CABLE SPEC	CONNECTOR	VOLTAGE	Remark
H-Y-2M1F	2.5m㎡~16m㎡	Customized	1500V	
H-Y-2F1M				

Remark:

H series harnesses use high quality weather resistance materials that guarantee long-term reliability. H series Harnesses could match 2.5 m㎡ to 240 m㎡ cables, it could be wildly used in different applications. H series harnesses have IP68 water-proof rating and can be used in a wide operating temperatue range from -40 °C to 85 °C.

H-X Branch

H-X Branch

H-X

DC 1500V,MAX 70A

UL94-V0

UL1500V/ IEC1500V

IP 68

UV RESISTANCE

TYPE	CABLE SPEC	CONNECTOR	VOLTAGE	Remark
H-X-3M1F	2.5m㎡~16m㎡	Customized	1500V	
H-X-3F1M		Customized	1500V	

Remark:

H series harnesses use high quality weather resistance materials that guarantee long-term reliability. H series Harnesses could match 2.5 mm² to 240 mm² cables, it could be wildly used in different applications. H series harnesses have IP68 water-proof rating and can be used in a wide operating temperatue range from -40 °C to 85 °C.

H-T Branch

T Branch

H-T

DC 1500V,MAX 70A

UL94-V0

UL1500V/ IEC1500V

IP 68

UV RESISTANCE

TYPE	CABLE SPEC	CONNECTOR	VOLTAGE	Remark
H-T-2F1M	2.5m㎡~16m㎡	Customized	1500V	
H-T-2M1F		Customized	1500V	

Remark:

H series harnesses use high quality weather resistance materials that guarantee long-term reliability. H series Harnesses could match 2.5 mm² to 240 mm² cables, it could be wildly used in different applications. H series harnesses have IP68 water-proof rating and can be used in a wide operating temperatue range from -40 °C to 85 °C.

H-2B1 Branch

H-2B1 Solar Branch

H-2B1

DC 1500V,MAX 70A

UL94-V0

UL1500V/ IEC1500V

IP 68

UV RESISTANCE

TYPE	CABLE SPEC	CONNECTOR	VOLTAGE	Remark
H-2B1-2M1F	2.5m㎡~16m㎡	Customized	1500V	
H-2B1-2F1M				

Remark:

H series harnesses use high quality weather resistance materials that guarantee long-term reliability. H series Harnesses could match 2.5 mm² to 240 mm² cables, it could be wildly used in different applications. H series harnesses have IP68 water-proof rating and can be used in a wide operating temperatue range from -40 °C to 85 °C.

H-3B1 Branch

H-3B1 Solar Branch

H-3B1

DC 1500V,MAX 70A

UL94-V0

UL1500V/ IEC1500V

IP 68

UV RESISTANCE

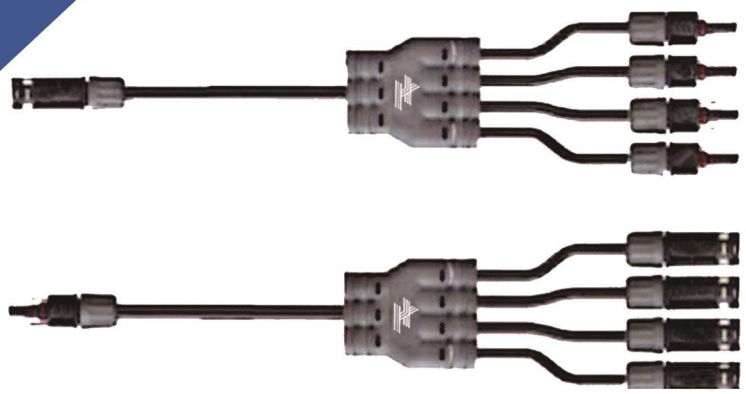
TYPE	CABLE SPEC	CONNECTOR	VOLTAGE	Remark
H-3B1-3M1F	2.5m㎡~16m㎡	Customized	1500V	
H-3B1-3F1M				

Remark:

H series harnesses use high quality weather resistance materials that guarantee long-term reliability. H series Harnesses could match 2.5 mm² to 240 mm² cables, it could be wildly used in different applications. H series harnesses have IP68 water-proof rating and can be used in a wide operating temperatue range from -40 °C to 85 °C.

H-4B1 Branch

H-4B1 Branch



H-4B1

DC 1500V,MAX 70A

UL94-V0

UL1500V/ IEC1500V

IP 68

UV RESISTANCE

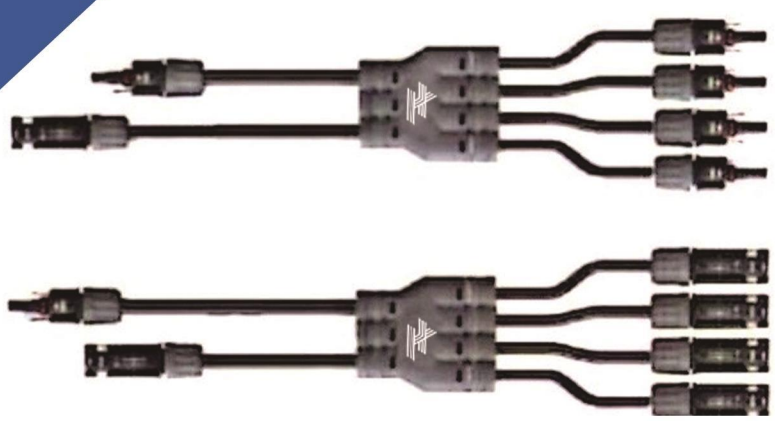
TYPE	CABLE SPEC	CONNECTOR	VOLTAGE	Remark
H-4B1-4F1M H-4B1-4M1F	2.5m㎡~16m㎡	Customized	1500V	

Remark:

H series harnesses use high quality weather resistance materials that guarantee long-term reliability. H series Harnesses could match 2.5 m㎡ to 240 m㎡ cables, it could be wildly used in different applications. H series harnesses have IP68 water-proof rating and can be used in a wide operating temperatue range from -40 °C to 85 °C.

H-5B1 Branch

H-5B1 Branch



H-5B1

DC 1500V,MAX 70A

UL94-V0

UL1500V/ IEC1500V

IP 68

UV RESISTANCE

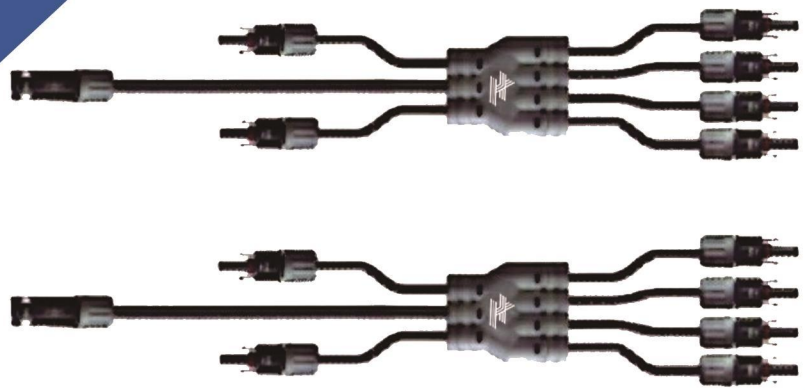
TYPE	CABLE SPEC	CONNECTOR	VOLTAGE	Remark
H-5B1-5F1M H-5B1-5M1F	2.5m㎡~16m㎡	Customized	1500V	

Remark:

H series harnesses use high quality weather resistance materials that guarantee long-term reliability. H series Harnesses could match 2.5 m㎡ to 240 m㎡ cables, it could be wildly used in different applications. H series harnesses have IP68 water-proof rating and can be used in a wide operating temperatue range from -40 °C to 85 °C.

H-6B1 Branch

H-6B1 Solar Branch



H-6B1

DC 1500V,MAX 70A

UL94-V0

UL1500V/ IEC1500V

IP 68

UV RESISTANCE

TYPE	CABLE SPEC	CONNECTOR	VOLTAGE	Remark
H-6B1-6M1F	2.5m㎡~16m㎡	Customized	1500V	
H-6B1-6F1M				

Remark:

H series harnesses use high quality weather resistance materials that guarantee long-term reliability. H series Harnesses could match 2.5 m㎡ to 240 m㎡ cables, it could be wildly used in different applications. H series harnesses have IP68 water-proof rating and can be used in a wide operating temperatue range from -40 °C to 85 °C.

H-2Y-2B1 Branch

H-2Y-2B1 Branch

H-2Y-2B1

DC 1500V,MAX 70A

UL94-V0

UL1500V/ IEC1500V

IP 68

UV RESISTANCE

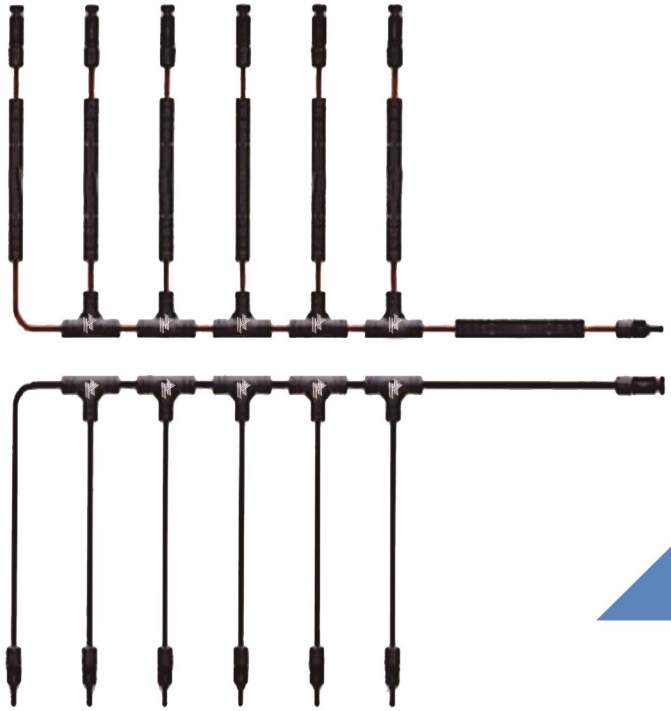
TYPE	CABLE SPEC	CONNECTOR	VOLTAGE	Remark
H-2Y-2B1	2.5m㎡~16m㎡	Customized	1500V	

Remark:

H series harnesses use high quality weather resistance materials that guarantee long-term reliability. H series Harnesses could match 2.5 m㎡ to 240 m㎡ cables, it could be wildly used in different applications. H series harnesses have IP68 water-proof rating and can be used in a wide operating temperatue range from -40 ℃ to 85 ℃.

H6 P/U Series

H6 Series



H6 P/U

DC 1500V,MAX 70A

UL94-V0

UL1500V/ IEC1500V

IP 68

UV RESISTANCE

TYPE	CABLE SPEC	CONNECTOR	VOLTAGE	Remark
H6 Positive H6 Negative	2.5m㎡~16m㎡	Max 50A Option	1500V	

Remark:

H series harnesses use high quality weather resistance materials that guarantee long-term reliability. H series Harnesses could match 2.5 mm² to 240 mm² cables, it could be wildly used in different applications. H series harnesses have IP68 water-proof rating and can be used in a wide operating temperatue range from -40 °C to 85 °C.

UL CERTIFICATE

CERTIFICATE OF COMPLIANCE

Certificate Number	20140826-E363111
Report Reference	E363111-20140825
Issue Date	2014-AUGUST-26
Issued to:	HENAN HUAXING WIRES & CABLES CO LTD Yong¿an Industry Zone Gongyi Henan 451200 CHINA
This is to certify that representative samples of	PHOTOVOLTAIC WIRE Photovoltaic Wire, Type PV.
	Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	Outline of Investigation for Photovoltaic Wire, Subject 4703 Thermoset-Insulated Wires and Cables, UL 44 Service-Entrance Cables, UL 854
Additional Information:	See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle: (UL) with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contactus

Page 1 of 1

UL4703

HX CABLE USA

CERTIFICATE OF COMPLIANCE

Certificate Number	E528306
Report Reference	E528306-20230522
Date	2023-May-23
Issued to:	HENAN HUAXING WIRES & CABLES CO LTD Yong'an Industry Zone Gongyi Henan 451200 CN
This is to certify that representative samples of	MEDIUM-VOLTAGE POWER CABLE See Addendum Page for Product Designation(s).
	Have been evaluated by UL in accordance with the Standard(s) indicated on this Certificate.
Standard(s) for Safety:	UL 1072 - Medium-Voltage Power Cables
Additional Information:	See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.

Deborah Jennings-Conner, VP Regulatory Services
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/

UL1072

UL CERTIFICATE

CERTIFICATE OF COMPLIANCE

Certificate Number E531426
Report Reference E531426-2023-07-21
Date 2023-July-24

Issued to: HENAN HUAXING WIRES & CABLES CO LTD
Yong'an Industry Zone
Gongyi Henan 451200 CN

This is to certify that representative samples of POLYMERIC MATERIALS FOR USE IN WIRE, CABLE AND FLEXIBLE LIGHTING PRODUCTS - COMPONENT

See Addendum Page for Product Designation(s).

Have been evaluated by UL in accordance with the component requirements in the Standard(s) indicated on this Certificate. UL Recognized components are incomplete in certain constructional features or restricted in performance capabilities and are intended for installation in complete equipment submitted for investigation to UL LLC.

Standard(s) for Safety: See Addendum Page for Standards

Additional Information: See the UL Online Certifications Directory at https://iq.ulprospector.com for additional information

This Certificate of Compliance indicates that representative samples of the product described in the certification report have met the requirements for UL certification. It does not provide authorization to apply the UL Recognized Component Mark. Only the Authorization Page that references the Follow-Up Services Procedure for ongoing surveillance provides authorization to apply the UL Mark.

Only those products bearing the UL Recognized Component Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Recognized Component Mark on the product.

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/

QMTT2

HX CABLE USA

CERTIFICATE OF COMPLIANCE

Certificate Number E531426
Report Reference E531426-2023-07-21
Date 2023-July-24

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

Models:

Heat-, Moisture-, and Irradiation-curable XL Compounds for Photovoltaic Wires for Grades and curing type

Dsg:

@HX-XLPE

@ HX-XLPE: supplied form consists of 2 components, A (base material), B (Flame retardant material).

Standards:

UL 44 - Thermoset-Insulated Wires and Cables

UL 4703 - Photovoltaic Wire

UL1581 - Reference Standard for Electrical Wires, Cables, and Flexible Cords

LPG - 00-LO-L0829

Deborah Jennings-Conner, VP Regulatory Services

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at http://ul.com/aboutul/locations/

QMTT2

ISO CERTIFICATE

Registration No.: 07624Q0219R2M

QUALITY MANAGEMENT SYSTEM CERTIFICATE

The certificate information is available on the CNCA of the official website (www.cnca.gov.cn)

This is to certify that the quality management system of

Henan Huaxing Cable Co., Ltd

Uniform Code of Social Credit: 91410181776537905E

Reg Add: Gongyi City Yong'an Road Industrial Park

Business Add: No.12 Dingxiang Road, Yong'an Road Industrial Park, Gongyi City, Zhengzhou City, Henan Province

Which is in conformity with

GB/T19001-2016/ISO9001:2015

This certificate covers the following scope of

Production and sales of wires and cables within the licensed scope

This certificate will not remain valid unless and until the certified customers accepts at least once surveillance audit annually within the validity period of the certificate.Please login into **www.zrxbj.com** for this certificate's validity status.

Issue Date: 01. 25. 2024 **Expiration Date:** 03. 15. 2027

Beijing ZhongRunXing Certification Co., Ltd.

No. 801 Office Building, No.12 Tu Cheng Road East, He pingli Street Chaoyang District, Beijing

Issued by: X.R Zhang

证书查询

ISO 9001:2015

Registration No.: 07624E0141R2M

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

The certificate information is available on the CNCA of the official website (www.cnca.gov.cn)

This is to certify that the environmental management system of

Henan Huaxing Cable Co., Ltd

Uniform Code of Social Credit: 91410181776537905E

Reg Add: Gongyi City Yong'an Road Industrial Park

Business Add: No.12 Dingxiang Road, Yong'an Road Industrial Park, Gongyi City, Zhengzhou City, Henan Province

Which is in conformity with

GB/T24001-2016/ISO14001:2015

This certificate covers the following scope of

Production and sales of wires and cables within the licensed scope and its relative environment management activity

This certificate will not remain valid unless and until the certified customers accepts at least once surveillance audit annually within the validity period of the certificate.Please login into **www.zrxbj.com** for this certificate's validity status.

Issue Date: 01. 25. 2024 **Expiration Date:** 02. 08. 2027

Beijing ZhongRunXing Certification Co., Ltd.

No. 801 Office Building, No.12 Tu Cheng Road East, He pingli Street Chaoyang District, Beijing

Issued by: X.R Zhang

证书查询

ISO 14001:2015

ISO CERTIFICATE

Registration No.: 07624S0125R2M

ESTABLISHED OCCUPATIONAL HEALTH AND SAFETY MANAGEMENT SYSTEM CERTIFICATE

The certificate information is available on the CNCA of the official website (www.cnca.gov.cn)

This is to certify that the established occupational health and safety management system of

Henan Huaxing Cable Co., Ltd

Uniform Code of Social Credit: 91410181776537905E

Reg Add: Gongyi City Yong'an Road Industrial Park

Business Add: No.12 Dingxiang Road, Yong'an Road Industrial Park, Gongyi City, Zhengzhou City, Henan Province

Which is in conformity with

GB/T 45001-2020/ISO45001:2018

This certificate covers the following scope of

Production and sales of wires and cables within the licensed scope and its relative established occupational health and safety management activity

This certificate will not remain valid unless and until the certified customers accepts at least once surveillance audit annually within the validity period of the certificate.Please login into www.zrxbj.com for this certificate's validity status.

Issue Date: 01. 25. 2024

Expiration Date: 02. 08. 2027

Beijing ZhongRunXing Certification Co., Ltd.

No.80 Office Building, No.2 Tu Cheng Road East, He pingli Street Chaoyang District, Beijing

Issued by: XR Zhang

MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT

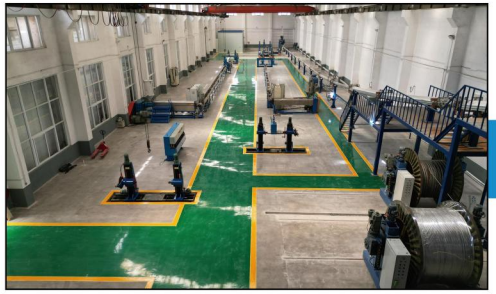
CNAS 中国认可 国际互认 管理体系 MANAGEMENT SYSTEM CNAS C076-M

证书查询

ISO 45001:2018

HX CABLE USA

Factory 1 View



MV Cable Workshop

MV Cable Workshop

Factory 2 View

TEST EQUIPMENT

Wire Wrapping testing machine / Wire torsion testing machine / Tensile testing machine

Projector / Natural ventilation thermal aging test chamber / Tensile testing machine/ Punching machine / Planing machine

Partial discharge test

Single Wire& Cable Vertical Flame Tester — Overhead Insulated Cable Wear-Resisting Machine — High-Low Temperature Tester

UV accelerated weathering tester

High Voltage Tracking Test Apparatus

Water Blocking Equipment

MicroComputer Control Electro-Hydraulic Servo Equipment

HX CABLE USA