

HVA-FLEX™ 125°C FLEXIBLE POWER CABLES



HVA-Flex™ Flexible Power Cables are manufactured with highly stranded tinned copper conductors for improved flexibility and corrosion resistance over traditional battery cables.

The special TPE insulation is rated for use up to 125°C and 600 Volts per SAE J 1654. The insulation provides improved temperature resistance over standard PVC insulated cables and improved flexibility over chemical cross-linked cables.

Typical Characteristics

Temperature Range: -50C to +125C
 Voltage Rating: 600 Volts (SAE J 1654)
 Flame Resistance: Self-Extinguishing

Applications

Battery Cable
 Starters / Alternators / Inverters
 AC / DC Power Distribution
 Grounding Cable
 Alternative Energy Projects
 On- or Off-road Applications
 Agriculture Equipment
 Construction Equipment
 Communication Trailers
 Emergency Equipment
 ATV & Multi-Purpose Vehicles



Available Colors

-WE White	-BE Blue
-BK Black	-BN Brown
-RD Red	-OE Orange
-GN Green	-GY Gray
-YW Yellow	-VT Violet

Notes

- To order the appropriate color, replace the -xx in the cable part number with the available color code in the adjacent table.
- Please contact Orion Wire for more information regarding SAE Testing.

Part Number	Conductor Size	Stranding	DC Resistance (@ 20°C)	Insulated OD	Cable Weight
HVA250T30-xx	250 kCMA	2499/30	.05 Ω/kft max.	.811" nom.	880 #/kft
HVA40T30-xx	4/0 AWG	2121/30	.06 Ω/kft max.	.761" nom.	754 #/kft
HVA30T30-xx	3/0 AWG	1680/30	.07 Ω/kft max.	.697" nom.	606 #/kft
HVA20T30-xx	2/0 AWG	1344/30	.09 Ω/kft max.	.642" nom.	493 #/kft
HVA10T30-xx	1/0 AWG	1071/30	.12 Ω/kft max.	.592" nom.	400 #/kft
HVA01T30-xx	1 AWG	833/30	.15 Ω/kft max.	.499" nom.	301 #/kft
HVA02T30-xx	2 AWG	665/30	.18 Ω/kft max.	.451" nom.	246 #/kft
HVA03T30-xx	3 AWG	525/30	.23 Ω/kft max.	.415" nom.	196 #/kft
HVA04T30-xx	4 AWG	413/30	.29 Ω/kft max.	.383" nom.	158 #/kft
HVA05T30-xx	5 AWG	329/30	.36 Ω/kft max.	.356" nom.	129 #/kft
HVA06T30-xx	6 AWG	259/30	.46 Ω/kft max.	.331" nom.	105 #/kft
HVA07T30-xx	7 AWG	210/30	.56 Ω/kft max.	.311" nom.	98 #/kft
HVA08T30-xx	8 AWG	168/30	.70 Ω/kft max.	.292" nom.	73 #/kft

From a phone call, a penciled sketch or a completed drawing, we have the ability to work with you to find the optimal solution for your unique application.