

ALL-FLEX®

MULTIPURPOSE POWER CABLE



Applications

Direct's All-Flex® is a durable and versatile multipurpose power cable designed for internal/external applications, including uninterruptible power supplies (UPS), transformers, controls, battery chargers, leads and extensions, and wet environments. All-Flex is UL listed, CSA approved, RoHS compliant, for CT use (1/0 and larger sizes), and manufactured in the USA.

Construction

- Bunch-stranded 30 GA copper conductor
- Jacketed with PVC compound

[See reverse for construction details and technical specifications](#)

ALL-FLEX MULTIPURPOSE POWER CABLE

AWG SIZE	# COND STRAND / DIAM (OR) GA	NOMINAL INSULATION THICKNESS		NOMINAL OUTSIDE DIAMETER (+JACKET)		APPROX LBS PER 1K'
		INCHES	MM	INCHES	MM	
#8	133 / 30	.060	1.52	.270	6.59	77
#6	273 / 30	.060	1.52	.315	8.00	111
#4	429 / 30	.060	1.52	.350	8.89	164
#2	676 / 30	.060	1.52	.419	10.64	246
#1	845 / 30	.080	2.03	.490	12.45	320
1 / 0	1,066 / 30	.080	2.03	.530	13.46	392
2 / 0	1,339 / 30	.080	2.03	.579	14.71	485
3 / 0	1,677 / 30	.080	2.03	.632	16.05	596
4 / 0	2,109 / 30	.080	2.03	.695	17.65	741
250 MCM	2,527 / 30	.100	2.54	.793	20.14	916
350 MCM	3,478 / 30	.100	2.54	.915	23.24	1,242
500 MCM	5,054 / 30	.100	2.54	1.130	28.70	1,815

All data and specifications contained herein are current and subject to change without notification. All values are nominal and/or approximate and may vary.

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TECHNICAL SPECIFICATIONS

Construction

- | | |
|---------------------|--|
| Conductors | <ul style="list-style-type: none">Bunch-stranded 30 GA copper conductor; available bare or tinned |
| Voltage Rating | <ul style="list-style-type: none">600 V; AWM 10269 - 1000V |
| Insulation & Jacket | <ul style="list-style-type: none">Jacketed with PVC compoundResistant to abrasion, acids, flame, heat, oils, sunlight, and weathering |
| Temperature Range | <ul style="list-style-type: none">75°C (167°F) Wet; 105°C (221°F) Dry |

Standards & Certifications

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|--------------------|---|---|
| Industry Approvals | <ul style="list-style-type: none">UL AWM Styles 1232, 1283, 1284, 1337, 1338, 1339, 10070, and 10269UL 83 (THW) and 1063 (MTW)UL 1426 (BC-5W2 Boat Cable)UL 1581 and 2556For CT Use (1/0 and larger sizes)CSA C22.2 No. 210-15 (AWM), 127-18 (TEW), and 2556 | <ul style="list-style-type: none">ASTM B3, B49, and B172SAE J1127 Type SGTNEC (NFPA 70)ABYC E-11 (AC/DC - Electrical Boat Systems)RoHS CompliantUL 1685 and FT1, FT2, and VW-1 |
|--------------------|---|---|

Stock & Packaging

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|--------------|--|
| Reel Lengths | <ul style="list-style-type: none">Available at 500', 1,000', and 2,500'Custom reel lengths available upon request |
| Packaging | <ul style="list-style-type: none">Reeled, palletized, and shrink-wrapped |

Customization

- | | |
|-----------------------|---|
| Jacket Colors | <ul style="list-style-type: none">■ BlackCustom colors available upon request |
| Standard Print Legend | <ul style="list-style-type: none">ALL-FLEX (UL) {E#} {AWG SIZE} BC5W2 or THW or MTW or AWM STYLES 1232/1284/1338/10070 600V or 10269 1000V VW-1 -- c(RU) TEW 105°C 600V or AWM I A/B 105°C 600V O FT2 -- RoHS SAEJ1127 TYPE SGT MADE IN USACustom legends available upon request |
| Marking Options | <ul style="list-style-type: none">Quick Print[®]; Surface Print; Indent Print; Logo/IconSequential marking |