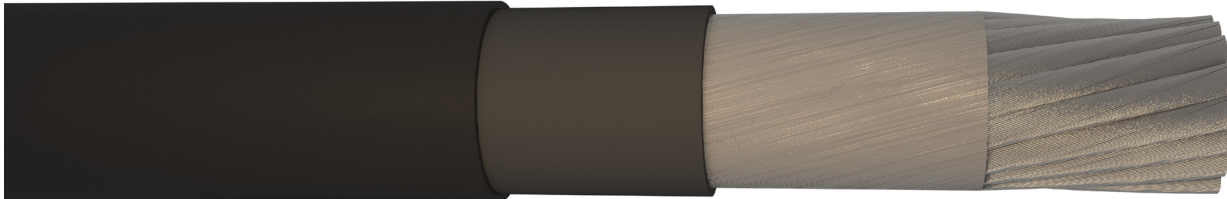


DLO (2000V) RHH/RHW-2 (2000V) RW90 (1000V)



Industrial Grade Portable Power Cables 90°C



APPLICATIONS

Direct's DLO is a heavy-duty flexible power cable designed for use within portable or fixed installations, diesel engines and motor leads, generators, battery leads, and other industrial applications, including shipyards, drilling rigs, construction, renewable energy, and data centers. DLO is UL listed RHH / RHW-2, CSA listed RW90, MSHA approved, marked FOR CT USE and manufactured in the USA.

QUICK SPECS

- 24 AWG ASTM Class I tinned copper
 - EPDM (Insulation) / CPE (Jacket)
 - #8 AWG - 535 MCM
 - 600 / 1,000 / 2,000 V
 - -40°C to +90°C
 - Marked FOR CT USE (1/0 AWG and larger)
 - UL / CSA / MSHA / NFPA NEC / ASTM
- See reverse for construction details and technical specifications

DLO PRODUCT CONFIGURATIONS

AWG / MCM SIZE	CONDUCTOR STRANDING/GAUGE	CONDUCTOR DIAMETER (in)	NOMINAL INSULATION	NOMINAL JACKET	OVERALL DIAMETER (in)	CABLE WEIGHT (lb / 1000 FT)	AMPACITY ¹ at 30°C
#8	41 / #24	.153	.070	.030	.384	110	80 A
#6	61 / #24	.185	.070	.030	.416	146	105 A
#4	105 / #24	.250	.070	.030	.481	205	140 A
#2	168 / #24	.305	.070	.045	.569	311	190 A
#1	224 / #24	.350	.090	.045	.660	415	220 A
1 / 0	273 / #24	.392	.090	.045	.702	472	260 A
2 / 0	323 / #24	.440	.090	.045	.750	564	300 A
3 / 0	456 / #24	.500	.090	.045	.810	742	350 A
4 / 0	551 / #24	.570	.090	.065	.924	879	405 A
262 MCM	646 / #24	.627	.105	.065	1.016	1,081	468 A
313 MCM	777 / #24	.695	.105	.065	1.084	1,265	525 A
373 MCM	925 / #24	.750	.105	.065	1.139	1,464	588 A
444 MCM	1,110 / #24	.820	.105	.065	1.209	1,685	655 A
535 MCM	1,332 / #24	.895	.120	.065	1.318	2,025	731 A

¹Allowable ampacity per NFPA 70 / NEC Article 400. Values are based on ambient temperature of 30°C.

All values are nominal and/or approximate and may vary. All styles and standards are dependent on conductor size. All data and specifications contained herein are current and subject to change without notification.



DLO / RHH / RHW-2 / RW90

TECHNICAL SPECIFICATIONS

CONSTRUCTION

Conductors Voltage	<ul style="list-style-type: none">• Rope-lay, bunch-stranded 24 AWG ASTM Class I tinned copper
Rating	<ul style="list-style-type: none">• DLO (2000V)• RHH/RHW-2 (600V and 2000V)• RW90 (1000V)
Separator	<ul style="list-style-type: none">• Tape separator between conductor and insulation
Insulation & Jacket	<ul style="list-style-type: none">• Insulated with EPDM compound• Jacketed with CPE thermosetting compound• Resistant to abrasion, crushing force, extreme temperatures, flame, impact, oil, sunlight, and water. FOR CT USE (1/0 AWG and Larger). FT-1, FT-2, and FT-5.• UL tested 60°C oil resistant temperature rating• UL tested 720 hours sunlight resistance rating
Temperature Range	<ul style="list-style-type: none">• -40°C - +90°C (dry) / +90°C (wet)
Jacket Colors	<ul style="list-style-type: none">• ● Black (standard) / Custom colors upon request

STANDARDS & CERTIFICATIONS

Industry Approvals	<ul style="list-style-type: none">• UL 2806 Listed DLO under E481911• UL 44 Listed RHH/RHW-2 under E481401• CSA Listed RW90 under 300528• MSHA Approved under 07-KA200007	<ul style="list-style-type: none">• ASTM B33, B172 or B174• NFPA 70 / NEC• CSA C22.2 No. 38 and 2556• CSA C22.1 / CEC• 30-CFR-Part 7 Subchapter K• CMRT and Prop 65 Compliant
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MARKING

Standard Legend	<p>#1 AWG and smaller DIRECT (UL) E481911 {SIZE} DLO-HDFPC 2000V SR PR I 90C DRY 90C WET or RHH or RHW-2 2000V FT2 -40C PR I --- (CSA) 300528 {SIZE} RW90 -40C 90C DRY 90C WET 1000V PR I FT1 VW-1 SR GR I --- FT5 P-07-KA200007-MSHA</p> <p>1/0 AWG and larger DIRECT (UL) E481911 {SIZE} DLO-HDFPC 2000V SR PR I 90C DRY 90C WET or RHH or RHW-2 2000V FT2 -40C PR I FOR CT USE --- (CSA) 300528 {SIZE} RW90 -40C 90C DRY 90C WET 1000V PR I FT1 VW-1 SR GR I --- FT5 P-07-KA200007-MSHA</p>
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Print Options	<ul style="list-style-type: none">• Ink Wheel / Ink Jet / Sequential Footage
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