casmocable
CABLES FOR EXTREMES

TYPE W SINGLE-CONDUCTOR

-40°C to +90°C, 2000V



Construction
Conductor: Bare Copper · Extra-Flexible Stranded
Separator: PET tape over conductor
Insulation: Extruded · EPDM
Jacket: CPE · Extruded

Thermal Characteristics
Operating Temperature: -40°C to +90°C
Wet & Dry Rating: 90°C continuous wet and dry
Oil Immersion Rating: 75°C (60 days immersion; ≥ 65% tensile and elongation retention)
Cold Bend: −40°C × 4 h, no cracking

Electrical Characteristics
Operating Voltage: 2000V
Spark Test Voltage: 10 kV (12–2 AWG); 13 kV (1–4/0 AWG); 15 kV (250–500 kcmil)
Dielectric Withstand Voltage (1 min): 3 kV (12–10 AWG); 4 kV (8–2 AWG); 5 kV (1–4/0 AWG); 6 kV (250–500 kcmil)

Application
Portable Tools and Industrial Equipment: For portable power tools, mobile machinery and temporary industrial power connections, subject to the applicable service cord rating and installation conditions.
Industrial Automation: For power, signal or control connections within industrial automation systems, as specified for the selected cable construction.
Heavy-Duty Temporary Power Distribution: For mobile generators, power feeders, stage and industrial distribution boxes, motor leads and rugged wet-location equipment connections rated up to 2000V AC.

RoHS COMPLIANT
REACH COMPLIANT

General Characteristics
Oil Resistance: Resistant to oil exposure, helping maintain the integrity of the cable covering in oily environments.
Weather Resistance: Resistant to weathering, helping maintain cable integrity under exposure to sunlight, moisture and changing weather conditions.
Abrasion Resistance: Resistant to abrasion, helping protect the cable surface against wear caused by rubbing and handling.
Low-Temperature Flexibility: Maintains flexibility at low temperatures, facilitating cable routing and handling in cold environments.

Standards & Approvals
UL 1650: Constructed in accordance with UL 1650 Type W portable power cable requirements (2000 V AC, −40°C to +90°C wet and dry, Oil Resistant 75°C). Applicable certification documentation and jacket marking options confirmed upon order.
NEC Article 400: Extra-hard usage portable power cable for industrial, outdoor, and wet locations.

Fire Performance
Fire Retardant: FT1 / FT5

Product illustrations are representative only and nominal values are for reference (Cal. Com. Code § 2313); binding acceptance is governed by CASMO's order acknowledgment, signed drawing, and applicable agency scope. Standards cited without a corresponding agency mark indicate design/test reference only. Specifications are subject to change; confirm latest revision and Terms of Sale at casmocable.com/terms.

© CASMO CABLE LLC. All rights reserved. UL®, cUL®, and UL certification marks are trademarks of UL LLC; CSA® is a trademark of CSA Group; TÜV Rheinland® is a trademark of TÜV Rheinland AG.

casmocable
CABLES FOR EXTREMES

TYPE W SINGLE-CONDUCTOR

-40°C to +90°C, 2000V



CASMO Part No.	Conductor				Insulation		Cable				Max. DCR @20°C (Ω/km)
	Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)	Nom. Conductor Dia. (mm)	Nom. Ins. Thickness (mm)	Min. Ins. Thickness (mm)	Nom. Jkt. Thickness (mm)	Min. Jkt. Thickness (mm)	Nom. O.D. (mm)	O.D. Tolerance ± (mm)	
1114211C12	12	65	0.254	2.40	1.52	1.37	1.91	1.53	9.6	0.5	5.43
1114211C10	10	105	0.254	3.00	1.52	1.37	1.91	1.53	10.3	0.5	3.41
1114211C8	8	168	0.254	3.90	1.52	1.37	1.91	1.53	11.4	0.6	2.18
1114211C6	6	266	0.254	4.90	1.52	1.37	2.41	1.93	13.4	0.6	1.38
1114211C4	4	427	0.254	6.30	1.52	1.37	2.41	1.93	14.7	0.6	0.865
1114211C3	3	532	0.254	7.00	1.52	1.37	2.41	1.93	15.4	0.6	0.693
1114211C2	2	665	0.254	7.90	1.52	1.37	2.41	1.93	16.4	0.8	0.549
1114211C1	1	855	0.254	9.10	2.03	1.83	2.41	1.93	18.5	0.8	0.436
1114211C1_0	1/0	1045	0.254	10.20	2.03	1.83	2.41	1.93	19.5	1.0	0.345
1114211C2_0	2/0	1330	0.254	11.50	2.03	1.83	2.41	1.93	20.9	1.0	0.273
1114211C3_0	3/0	1672	0.254	12.80	2.03	1.83	2.41	1.93	22.1	1.0	0.217
1114211C4_0	4/0	2109	0.254	14.40	2.03	1.83	2.41	1.93	23.7	1.0	0.172
1114211C250MCM	250 kcmil	2516	0.254	15.60	2.41	2.17	2.41	1.93	25.7	1.2	0.147
1114211C350MCM	350 kcmil	3478	0.254	18.40	2.41	2.17	2.41	1.93	28.4	1.2	0.105
1114211C500MCM	500 kcmil	1225	0.511	21.90	2.41	2.17	2.41	1.93	31.9	1.5	0.0735

Table Notes

* Bare annealed copper stranding per ASTM B172: Class K for 12 AWG–350 kcmil and Class I for 500 kcmil. Standard core insulation color is White under a Black CPE outer jacket.

† UL 1650 Type W Listing covers 8 AWG through 500 kcmil; 12 AWG and 10 AWG are constructed to equivalent Type W dimensional and performance guidelines.

Product illustrations are representative only and nominal values are for reference (Cal. Com. Code § 2313); binding acceptance is governed by CASMO's order acknowledgment, signed drawing, and applicable agency scope. Standards cited without a corresponding agency mark indicate design/test reference only. Specifications are subject to change; confirm latest revision and Terms of Sale at casmocable.com/terms.

© CASMO CABLE LLC. All rights reserved. UL®, cUL®, and UL certification marks are trademarks of UL LLC; CSA® is a trademark of CSA Group; TÜV Rheinland® is a trademark of TÜV Rheinland AG.