casmocable
CABLES FOR EXTREMES

SOOW

-40°C to +90°C, 600V



Construction
Conductor: Flexible Bare Copper
Core Insulation: Extruded · EPDM
Cabling: Laid Up
Core Identification: Color-coded per Color Code Chart
Jacket: Extruded · CPE

Thermal Characteristics
Operating Temperature: -40°C to +90°C

Electrical Characteristics
Operating Voltage: 600V

Application
Industrial Portable Power: Extra-hard-usage flexible cord for industrial equipment, heavy tools, portable lights, battery chargers, welding leads, marine dockside power, power extensions and mining applications; use as permitted by NEC Article 400.

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.
Extra-Hard Service Durability: Heavy-duty elastomer construction withstands crushing, impact, and rough portable handling on industrial sites.
Low-Temperature Flexibility: Maintains flexibility at low temperatures, facilitating cable routing and handling in cold environments.

Standards & Approvals
UL 62: Flexible Cord and Fixture Wire, Type SOOW (600 V, 90 °C).
CSA C22.2 No. 49: Flexible Cords and Cables, Type SOOW.
NEC Article 400: Extra-hard usage portable cord; suitable for Class I, Division 2 locations per NEC 501.140.

Fire Performance
Fire Retardant: FT2

RoHS COMPLIANT · REACH COMPLIANT · UL · cUL

CASMO Part No.	Conductor			Min. Ins. Thickness (mm)	Cable			Nom. Copper Weight (kg/km)	Nom. Cable Weight (kg/km)
	Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)		Min. Jkt. Thickness (mm)	Min. Overall O.D. (mm)	Max. Overall O.D. (mm)		
1114192C18	18/2	16	0.25	0.69	1.22	8.64	9.78	14.53	116
1114193C18	18/3	16	0.25	0.69	1.22	9.14	10.16	21.79	136
1114194C18	18/4	16	0.25	0.69	1.22	9.78	10.92	29.05	143
1114195C18	18/5	16	0.25	0.69	1.63	11.68	12.95	36.32	198
1114196C18	18/6	16	0.25	0.69	1.63	12.3	13.8	43.59	219
1114197C18	18/7	16	0.25	0.69	1.63	12.3	13.8	50.86	240
1114198C18	18/8	16	0.25	0.69	1.63	13.1	14.6	58.12	255
11141910C18	18/10	16	0.25	0.69	1.63	15.0	16.9	72.65	312
11141912C18	18/12	16	0.25	0.69	1.63	15.4	17.3	87.18	341
11141916C18	18/16	16	0.25	0.69	1.93	17.7	19.7	116.24	436
11141920C18	18/20	16	0.25	0.69	1.93	19.2	21.2	145.3	527
11141924C18	18/24	16	0.25	0.69	1.93	21.0	23.0	174.36	684
11141930C18	18/30	16	0.25	0.69	1.93	22.2	25.0	217.95	760
1114192C16	16/2	26	0.25	0.69	1.22	9.27	10.41	22.97	129

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	Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)		Min. Jkt. Thickness (mm)	Min. Overall O.D. (mm)	Max. Overall O.D. (mm)		
1114193C16	16/3	26	0.25	0.69	1.22	9.78	10.92	34.46	149
1114194C16	16/4	26	0.25	0.69	1.22	10.41	11.68	45.95	175
1114195C16	16/5	26	0.25	0.69	1.63	12.45	13.97	57.44	235
1114196C16	16/6	26	0.25	0.69	1.63	13.0	14.7	70.8	263
1114197C16	16/7	26	0.25	0.69	1.63	13.0	14.7	82.6	278
1114198C16	16/8	26	0.25	0.69	1.63	14.0	15.7	94.4	312
11141910C16	16/10	26	0.25	0.69	1.63	15.5	17.5	118	377
11141912C16	16/12	26	0.25	0.69	1.93	16.5	18.5	141.6	461
11141916C16	16/16	26	0.25	0.69	1.93	18.5	20.5	188.8	572
11141920C16	16/20	26	0.25	0.69	1.93	20.3	22.3	236	674
11141924C16	16/24	26	0.25	0.69	1.93	22.8	25.0	275.64	864
11141930C16	16/30	26	0.25	0.69	2.24	24.8	26.8	344.55	1015
1114192C14	14/2	41	0.25	1.02	1.63	12.57	13.97	36.22	241
1114193C14	14/3	41	0.25	1.02	1.63	13.21	14.6	54.34	276
1114194C14	14/4	41	0.25	1.02	1.63	14.22	15.75	72.45	324
1114195C14	14/5	41	0.25	1.02	1.93	16.0	17.91	90.56	404
1114196C14	14/6	41	0.25	1.02	1.93	17.2	19.2	111.66	439
1114197C14	14/7	41	0.25	1.02	1.93	17.2	19.2	130.27	456
1114198C14	14/8	41	0.25	1.02	1.93	18.3	20.3	148.88	525
11141910C14	14/10	41	0.25	1.02	1.93	21.0	23.0	186.1	639
11141912C14	14/12	41	0.25	1.02	1.93	21.8	23.8	223.32	731
11141916C14	14/16	41	0.25	1.02	2.24	24.8	27.0	297.76	969
11141920C14	14/20	41	0.25	1.02	2.24	27.2	29.6	372.2	1136
1114192C12	12/2	65	0.25	1.02	1.93	14.35	15.88	57.44	318
1114193C12	12/3	65	0.25	1.02	1.93	14.99	16.64	86.16	362
1114194C12	12/4	65	0.25	1.02	1.93	16.26	18.03	114.87	408
1114195C12	12/5	65	0.25	1.02	1.93	17.78	19.56	143.59	527
1114196C12	12/6	65	0.25	1.02	1.93	18.5	20.5	177	547
1114197C12	12/7	65	0.25	1.02	1.93	18.5	20.5	210	639
1114198C12	12/8	65	0.25	1.02	1.93	20.0	22.0	236	674
11141910C12	12/10	65	0.25	1.02	1.93	23.0	25.5	295.0	895

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	Conductor Size (AWG)	No. Of Strands	Nom. Strand Dia. (mm)		Min. Jkt. Thickness (mm)	Min. Overall O.D. (mm)	Max. Overall O.D. (mm)		
11141912C12	12/12	65	0.25	1.02	2.24	24.3	27.0	359.87	1049
11141916C12	12/16	65	0.25	1.02	2.24	26.8	29.8	479.82	1294
11141920C12	12/20	65	0.25	1.02	2.24	28.8	31.8	600	1544
1114192C10	10/2	104	0.25	1.02	1.93	15.62	17.4	94.39	392
1114193C10	10/3	104	0.25	1.02	1.93	16.51	18.29	141.59	469
1114194C10	10/4	104	0.25	1.02	1.93	17.78	19.68	188.78	562
1114195C10	10/5	104	0.25	1.02	1.93	19.3	21.34	235.98	652
1114196C10	10/6	104	0.25	1.02	1.93	20.5	22.9	287.89	760
1114197C10	10/7	104	0.25	1.02	1.93	20.5	22.9	335.87	821
1114198C10	10/8	104	0.25	1.02	1.93	21.5	24.0	383.86	920
11141910C10	10/10	104	0.25	1.02	2.24	26.1	28.7	472	1128
11141912C10	10/12	104	0.25	1.02	2.24	27.0	30.0	575.78	1372
11141916C10	10/16	104	0.25	1.02	2.24	29.8	32.8	768	1706
11141920C10	10/20	104	0.25	1.02	2.54	31.7	34.7	960	2033
1114192C8	8/2	168	0.25	1.37	2.24	19.81	22.35	154.55	568
1114193C8	8/3	168	0.25	1.37	2.24	21.08	23.62	231.82	704
1114194C8	8/4	168	0.25	1.37	2.54	23.5	26.67	309.09	913
1114195C8	8/5	168	0.25	1.37	2.54	25.4	29.21	386.37	1103
1114192C6	6/2	259	0.25	1.37	2.54	23.37	26.67	238.26	753
1114193C6	6/3	259	0.25	1.37	2.54	24.64	27.94	357.39	947
1114194C6	6/4	259	0.25	1.37	2.84	26.67	30.48	476.52	1225
1114195C6	6/5	259	0.25	1.37	2.84	29.97	33.78	595.65	1482
1114192C4	4/2	427	0.25	1.37	2.84	26.92	30.73	392.81	1046
1114193C4	4/3	427	0.25	1.37	2.84	28.7	32.51	589.21	1380
1114194C4	4/4	427	0.25	1.37	3.15	31.75	36.85	785.61	1735
1114195C4	4/5	427	0.25	1.37	3.15	33.5	37.0	982.02	2106
1114192C2	2/2	665	0.25	1.37	3.15	30.73	35.56	611.75	1471
1114193C2	2/3	665	0.25	1.37	3.15	33.12	38.1	917.62	1889
1114194C2	2/4	665	0.25	1.37	3.45	36.83	41.91	1223.5	2434
1114195C2	2/5	665	0.25	1.37	3.45	39.0	43.0	1529.37	2966

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Table Notes

1. Standard jacket color: Black or Yellow. Conductor color code follows standard North American portable cord chart shown below.

COLOR CODE CHART					
Cond. #	**Color**	**Cond. #**	**Color**	**Cond. #**	**Color**
1	Black	11	Light Blue/Black Stripe	21	Orange/Green Stripe
2	White	12	Black/White Stripe	22	Black
3	Green	13	Red/White Stripe	23	White
4	Red	14	Green/White Stripe	24	Green
5	Orange	15	Light Blue/White Stripe	25	Red
6	Light Blue	16	Black/Red Stripe	26	Orange
7	White/Black Stripe	17	White/Red Stripe	27	Light Blue
8	Red/Black Stripe	18	Orange/Red Stripe	28	White/Black Stripe
9	Green/Black Stripe	19	Light Blue/Red Stripe	29	Red/Black Stripe
10	Orange/Black Stripe	20	Red/Green Stripe	30	Green/Black Stripe

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