

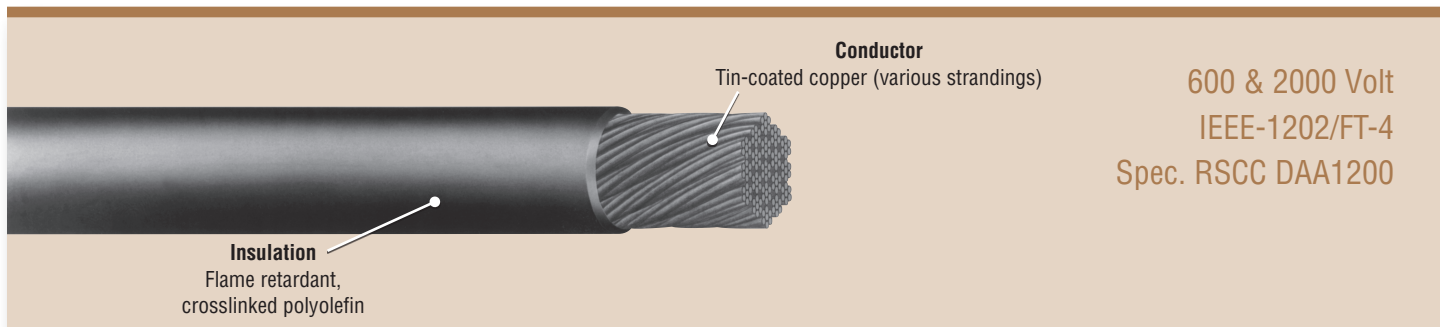
Rock-Tuff® 125°C

Mining

Single Conductor Power (XLPO)

RSCC Industrial Cable

www.r-scc.com



Features

- Thermoset insulation
- Superior mechanical properties
- Flexible construction
- Flame retardant
- Excellent fluid/oil resistance
- Moisture and sunlight resistance
- Extreme abrasion resistance
- RoHS/REACH compliant

Performance Standards

- Insulation per ICEA Standard S-95-658
- ICEA Standard S-75-381/NEMA WC 58
- ICEA T-27-581
- UL 44
- UL 2556 & UL 1685
- UL 1581
- IEE 1202/FT-4
- CSA C22.2 #38
- MSHA approved

Construction

Conductor: Annealed, tinned copper per ASTM B33, B8 and B172
Metric Stranding per IEC 60228 Class 5 is available upon request.

Insulation: Irradiated crosslinked polyolefin
Rock-Tuff, dark grey (colors – available upon request)

Scope

Rock-Tuff® single conductor 600 and 2000 volt cable is an extremely tough construction ideally suited for use in rugged mining applications. The insulation has outstanding resistance to abrasion, cut-through, low and high temperatures, petrochemical fluids, sunlight, and moisture. The material also has excellent flame retardance, acid gas, and electrical characteristics. Due to Rock-Tuff® temperature rating, ampacity levels are higher. This leads to important benefits regarding size, weight, tray fill, and ease of installation.



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Marmon Electrical
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Rock-Tuff® 125°C Mining

Single Conductor Power (XLPO)

600 Volt

Product Code	Number of Conductors	AWG/MCM	mm ²	Stranding	Insulation Thickness (inch)	Insulation Thickness (mm)	Nominal Overall Diameter (inch)	Nominal Overall Diameter (mm)	Approx. Net Weight (Lbs/m')	Approx. Net Weight (kg/km)
RTUFF-20-600V	1	20	0.5	19/32	0.030	0.76	0.100	2.55	8	12
RTUFF-18-600V	1	18	1.0	19/30	0.030	0.76	0.111	2.77	11	16
RTUFF-16-600V	1	16	1.2	19/29	0.030	0.76	0.116	2.95	13	19
RTUFF-14-600V	1	14	1.9	19/27	0.030	0.76	0.129	3.28	18	27
RTUFF-12-600V	1	12	3.1	19/25	0.030	0.76	0.147	3.73	27	40
RTUFF-10-600V	1	10	5.5	27/24	0.030	0.76	0.178	4.52	45	68
RTUFF-8-600V	1	8	7.6	37/24	0.045	1.14	0.232	5.89	65	97
RTUFF-6-600V	1	6	12.9	61/24	0.045	1.14	0.279	7.08	101	152
RTUFF-5-600V	1	5	18.6	91/24	0.045	1.14	0.33	8.38	149	222
RTUFF-4-600V	1	4	21.5	105/24	0.045	1.14	0.356	9.04	165	248
RTUFF-3-600V	1	3	25.8	125/24	0.045	1.14	0.381	9.68	195	290
RTUFF-2-600V	1	2	30.7	150/24	0.045	1.14	0.411	10.44	233	358
RTUFF-1-600V	1	1	46.3	225/24	0.055	1.4	0.501	12.73	343	515
RTUFF-1/0-600V	1	1/0	55.9	275/24	0.055	1.4	0.541	13.74	408	612
RTUFF-2/0-600V	1	2/0	62.2	325/24	0.055	1.4	0.556	14.12	481	722
RTUFF-3/0-600V	1	3/0	92.9	450/24	0.055	1.4	0.661	16.79	653	980
RTUFF-4/0-600V	1	4/0	106.2	550/24	0.055	1.4	0.686	17.42	790	1176
RTUFF-262-600V	1	262	124.5	650/24	0.065	1.65	0.765	19.43	931	1385
RTUFF-313-600V	1	313	149.7	775/24	0.065	1.65	0.833	21.16	1099	1635
RTUFF-373-600V	1	373	178.2	925/24	0.065	1.65	0.886	22.5	1300	1934
RTUFF-444-600V	1	444	213.9	1100/24	0.065	1.65	0.95	24.13	1551	2308
RTUFF-535-600V	1	535	256.6	1325/24	0.080	2.03	1.06	26.92	1930	2895
RTUFF-646-600V	1	646	303.0	1600/24	0.080	2.03	1.152	29.26	2250	3348

2000 Volt

Product Code	Number of Conductors	AWG/MCM	mm ²	Stranding	Insulation Thickness (inch)	Insulation Thickness (mm)	Nominal Overall Diameter (inch)	Nominal Overall Diameter (mm)	Approx. Net Weight (Lbs/m')	Approx. Net Weight (kg/km)
RTUFF-18-2KV	1	18	1.0	19/30	0.045	1.14	0.139	3.53	15	23
RTUFF-16-2KV	1	16	1.2	19/29	0.045	1.14	0.146	3.71	17	25
RTUFF-14-2KV	1	14	1.9	19/27	0.045	1.14	0.159	4.04	23	35
RTUFF-12-2KV	1	12	3.1	19/25	0.045	1.14	0.177	4.5	32	48
RTUFF-10-2KV	1	10	5.5	27/24	0.045	1.14	0.208	5.28	50	75
RTUFF-8-2KV	1	8	7.6	37/24	0.055	1.4	0.252	6.4	71	106
RTUFF-6-2KV	1	6	12.9	61/24	0.055	1.4	0.3	7.62	105	157
RTUFF-5-2KV	1	5	18.6	91/24	0.055	1.4	0.354	8.99	157	234
RTUFF-4-2KV	1	4	21.5	105/24	0.055	1.4	0.376	9.55	176	264
RTUFF-3-2KV	1	3	25.8	125/24	0.055	1.4	0.396	10.05	208	312
RTUFF-2-2KV	1	2	30.7	150/24	0.055	1.4	0.431	10.95	240	358
RTUFF-1-2KV	1	1	46.3	225/24	0.065	1.65	0.523	13.28	360	540
RTUFF-1/0-2KV	1	1/0	55.9	275/24	0.065	1.65	0.563	14.3	435	653
RTUFF-2/0-2KV	1	2/0	62.2	325/24	0.065	1.65	0.585	14.86	492	738
RTUFF-3/0-2KV	1	3/0	92.9	450/24	0.065	1.65	0.683	17.35	685	1028
RTUFF-4/0-2KV	1	4/0	106.2	550/24	0.105	2.67	0.792	20.11	851	1266.4
RTUFF-262-2KV	1	262	124.5	650/24	0.105	2.67	0.841	21.36	955	1421
RTUFF-313-2KV	1	313	149.7	775/24	0.105	2.67	0.917	23.29	1131	1683
RTUFF-373-2KV	1	373	178.2	925/24	0.105	2.67	0.965	24.51	1321	1965
RTUFF-444-2KV	1	444	213.9	1100/24	0.105	2.67	1.042	26.46	1607	2391.4
RTUFF-535-2KV	1	535	256.6	1325/24	0.12	3.05	1.141	28.98	1872	2786
RTUFF-646-2KV	1	646	303.0	1600/24	0.12	3.05	1.233	31.31	2231	3320



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