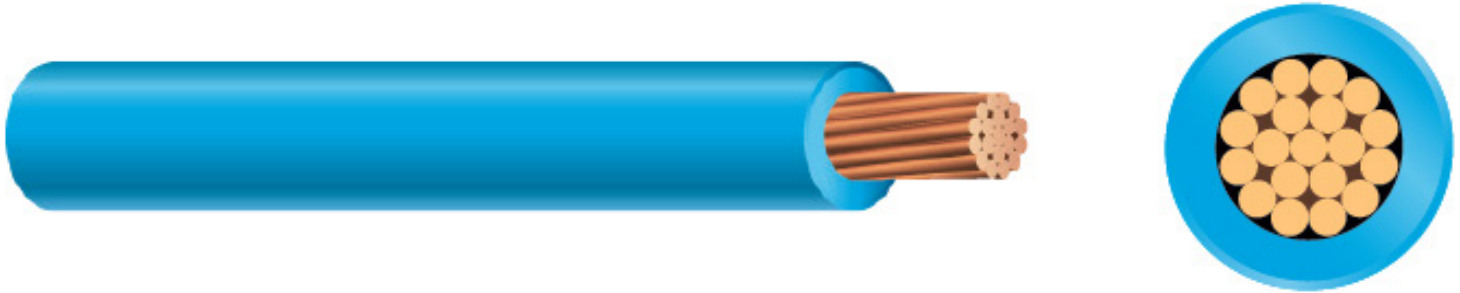


Cablcon's MTW cables are constructed with annealed (soft) copper conductors, offering excellent flexibility and conductivity. The insulation is made from a tough, heat- and moisture-resistant polyvinyl chloride (PVC), enhanced to reduce friction and ease installation. Stranding varies by size: cables from AWG 14 through AWG 4/0 use combination unilay stranding with 19 strands, while all other stranded sizes utilize compressed stranding.



Applications

- Designed for demanding industrial and commercial applications
- Ideal for wiring machine tools, appliances and control cabinets
- Suitable for environments requiring:
 - High voltage power (600V rated)
 - High strand flexibility
 - Indoor and outdoor installations
 - Moisture resistance

Construction

- Conductor: Annealed (soft) Copper for enhanced flexibility and conductivity
- Colors: black, white, red, blue, green, yellow, brown, orange and gray
- Insulation: Heat and moisture-resistant Thermoplastic PVC Insulation

Standards & Certifications

- ASTM B3, ASTM B8 and ASTM B787
- UL® and c(UL) Listed
- Built to CSA C22.2 No. 75, LL90458
- Canadian Electrical Code

Features

- Stranding Types:
 - Combination Unilay: sizes 14 AWG – 4/0 AWG
 - Compressed: all other sizes
- Voltage: Maximum 600V rating
- Temperature Ratings:
 - Suitable for dry locations not exceeding 90°C
 - For wet locations, Gasoline and Oil Resistant II applications not to exceed 75°C
 - Minimum installations handling limited to -25°C
 - Minimum operating limited to -40°C
- Flame Performance: All sizes CSA FT-1 flame tested
- Bend Test: -25°C Cold Bend Test Compliant

MTW	Conductor		Insulation Thickness		Jacket Thickness		Cable Dimensions		Approx. Weight		Allowable Ampacity* (Amps) 30°C Ambient		
Part Number	Size (AWG/kcmil)	# of Strands	inches	mm	inches	mm	inches	mm	lb/1000 ft	kg/km	60°C	75°C	90°C
1015/14B01-X	14**	1	0.015	0.38	0.004	0.1	0.102	2.59	15	23	15	20	25
1015/12B01-X	12**	1	0.015	0.38	0.004	0.1	0.119	3.02	23	34	20	25	30
1015/10B01-X	10**	1	0.02	0.51	0.004	0.1	0.15	3.81	37	55	30	35	40
1015/14B19-X	14**	19	0.015	0.38	0.004	0.1	0.109	2.77	15	23	15	20	25
1015/12B19-X	12**	19	0.015	0.38	0.004	0.1	0.128	3.25	24	36	20	25	30
1015/10B19-X	10**	19	0.02	0.51	0.004	0.1	0.161	4.09	38	57	30	35	40
1028/0B19-X	8	19	0.03	0.76	0.005	0.13	0.213	5.41	63	93	40	50	55
1283/06B19-X	6	19	0.03	0.76	0.005	0.13	0.249	6.32	95	141	55	65	75
1283/04B19-X	4	19	0.04	1.02	0.006	0.15	0.318	8.08	152	227	70	85	95
1283/03B19-X	3	19	0.04	1.02	0.006	0.15	0.346	8.79	189	281	85	100	115
1283/02B19-X	2	19	0.04	1.02	0.006	0.15	0.378	9.6	234	349	95	115	130
1283/01B19-X	1	19	0.05	1.27	0.007	0.18	0.435	11	299	446	110	130	145
1284/1/0B19-X	1/0	19	0.05	1.27	0.007	0.18	0.474	12	372	553	125	150	170
1284/2/0B19-X	2/0	19	0.05	1.27	0.007	0.18	0.518	13.2	462	687	145	175	195
1284/3/0B19-X	3/0	19	0.05	1.27	0.007	0.18	0.568	14.4	575	856	165	200	225
1284/4/0B19-X	4/0	19	0.05	1.27	0.007	0.18	0.624	15.8	718	1068	195	230	260
1284/250B37-X	250	37	0.06	1.52	0.008	0.2	0.694	17.6	851	1266	215	255	290
1284/300B37-X	300	37	0.06	1.52	0.008	0.2	0.747	18.9	1012	1506	240	285	320
1284/350B37-X	350	37	0.06	1.52	0.008	0.2	0.797	20.2	1174	1747	260	310	350
1284/400B37-X	400	37	0.06	1.52	0.008	0.2	0.842	21.4	1334	1985	280	335	380
1284/500B37-X	500	37	0.06	1.52	0.008	0.2	0.926	23.5	1655	2462	320	380	430
1284/600B61-X	600	61	0.07	1.78	0.009	0.23	1.024	26	1987	2957	350	420	475
1284/750B61-X	750	61	0.07	1.78	0.009	0.23	1.126	28.6	2464	3667	400	475	535
1284/1000B61-X	1000	61	0.07	1.78	0.009	0.23	1.275	32.4	3257	4847	455	545	615

* Allowable ampacities are for general use as specified by the Canadian Electrical Code, Part 1, 2015, Table 2

** These ampacities must be in compliance with rule 14-104(2) of the Canadian Electrical Code, Part 1, 2015

High Flex MTW

Part Number	Size (AWG)	Stranding	Avg. Insulation Thickness (mil)	Nominal Cable OD (in)	Nominal Cable Weight (lbs/mft)	UL AWM Style (600V/1000V)
G0269-0053-xxx	6	266/30	60	0.342	136	1232-1283-10269
G0269-0058-xxx	4	420/30	60	0.386	189	1232-1283-10269
G0269-0063-xxx	2	665/30	60	0.446	292	1232-1283-10269
G0269-0068-xxx	1	846/30	80	0.52	350	1232-1284-10269
G0269-0074-xxx	1/0	1045/30	80	0.575	410	1232-1284-10269
G0269-0080-xxx	2/0	1330/30	80	0.635	525	1232-1284-10269
G0269-0092-xxx	4/0	2090/30	80	0.745	770	1232-1284-10269
G0269-0096-xxx	250 MCM	2499/30	95	0.875	960	1284-1339-10269
G0269-0100-xxx	350 MCM	3458/30	95	0.985	1330	1284-1339-10269
G0269-0102-xxx	500 MCM	5054/30	95	1.17	1850	1284-1339-10269
G0269-0110-xxx	600 MCM	5994/30	105	1.191	2395	1284-1339-10269
G0269-0119-xxx	750 MCM	7315/30	110	1.42	2740	1284-10269

*Colors: 001 black, 003 red, 004 green, 006 blue, 009 gray, 00xTTrace