

STANDARDS

Underwriters Laboratories UL-44, UL 854~ Federal Specifications A-A-59544 ~NEMA WC 70 Construction requirements

SIZE (AWG)	NUMBER OF STRANDS	INSULATION THICKNESS IN MILS XLP	APPROX. O.D. INCHES	ALLOWABLE AMPACITIES*		
				60c	75c	90c
12	SOLID	.045	0.173	20	20	20
.10	SOLID	.045	0.192	30	30	30
14	7	0.045	.160	15	15	15
12	7	0.045	0.179	20	20	20
10	7	0.045	0.202	30	30	30
8	7	.060	0.266	40	50	55
6	7	.060	0.301	55	65	75
4	7	.060	0.352	70	85	95
3	7	.060	0.372	85	100	110
.2	7	.060	0.412	95	115	130
1	19	.080	0.476	110	130	150
1/0	19	.080	0.517	125	150	170
2/0	19	.080	.560	145	175	195
.3/0	19	.080	0.614	165	200	225
4/0	19	.080	0.686	195	230	260
250 MCM	37	0.095	0.725	215	255	290
.300 MCM	37	0.095	0.784	240	285	320
350 MCM	37	0.095	0.825	260	310	350
.400 MCM	37	0.095	0.875	280	335	380
500 MCM	37	0.095	0.952	320	380	430
.600 MCM	61	.110	1.086	355	420	475
750 MCM	61	.110	1.225	400	475	535

* Ampacity shown above is per the 2011 National Electric Code. The above data is approximate and subject to normal manufacturing

CONDUCTORS:

Stranded, uncoated, bare copper per ASTM B787 and ASTM B8.

CONDUCTORS INSULATION:

Cross-Linked Polyethylene (XLP) insulation per UL-854

SPECIFICATIONS:

Sunlight Resistant (all sizes and colors). VW-1 available in all sizes.

Lead Free - ROHS/REACH compliant

APPLICATION NOTES

Type USE-2 or RHH or RHW-2 copper conductors are suitable for use in conduit and raceways installed in conduits, in wet and where condensation and moisture accumulations within the conduit do not exceed 90c. When used as RHH or RHW temperatures shall not exceed 90c in wet or dry locations. Voltage rating for USE-2 or RHH or RHW-2 conductors is 600 Insulation rated for use to -40c (UL).

APPROX. WEIGHT PER 1000' IN POUNDS
27.6
41
21
29
41
72
101
157
188
237
305
371
458
587
707
847
1029
1138
1354
1631
2012
2486

tolerances.

at locations
 V-2, conductor
 volts.