



Control Cable

Wind Turbine Tray cable (WTTC)

» Application

These cables are intended to be installed in cable trays or raceways within wind turbine generators.

» Standards

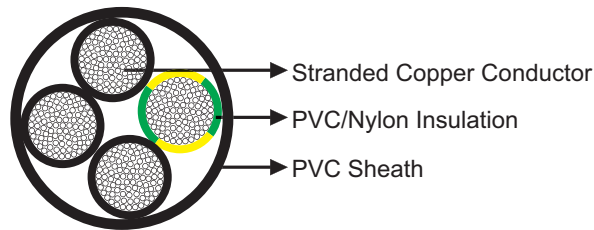
UL Type WTTC

UL: TC-ER, PLTC-ER (AWG 18 - AWG 12), ITC-ER (AWG 18 - AWG 12)

UL Type MTW,

UL 1277

» Construction



Conductor: Stranded copper conductor.

Insulation: Special PVC core insulation with transparent nylon skin. XLPE/EPR can be offered upon request.

Screen (optional): Tinned copper braid can be offered upon request.

Sheath: Special PVC. Special XL compound can be offered upon request.

» Technical Data

Rated Voltage U ₀ /U (Um)	600V (TC), 1000V (AWM), 1000 V (WTTC)
Operating Temperatures	-40°C~+90°C
Minimum Bending Radius	5×OD
Flame Retardant	FT4, IEEE 1202/383
Oil Resistant	Yes
Silicone Free	Yes
UV Resistant	Yes



» Dimensions and Weight

Construction	Nominal Overall Diameter	Nominal Weight
No. Of Cores	mm	kg/km
18AWG		
2	7.0	68
3	7.1	88
4	8.0	98
5	8.6	116
7	9.3	149
9	10.7	186
10	11.6	199
12	11.9	245
15	13.2	292
16	13.3	306
18	14.6	366
19	14.7	384
25	17.0	451
27	17.4	521
34	19.3	625
37	19.8	684
41	20.7	744
50	23.5	933
61	24.9	1095
16AWG		
2	7.5	80
3	7.8	86
4	8.5	115
5	9.3	126
6	10.0	164
7	10.1	171
8	10.9	201
9	11.7	237
10	12.4	259
12	12.9	301
14	14.5	365
15	15.0	379
16	15.2	405
18	15.9	443
19	16.0	458
20	16.5	491
25	18.6	564



Control Cable

Construction No. Of Cores	Nominal Overall Diameter mm	Nominal Weight kg/km
27	19.0	629
30	19.6	701
34	20.5	775
40	22.9	946
41	23.4	967
50	25.1	1137
61	27.2	1345
14AWG		
2	8.6	100
3	8.9	112
4	9.8	141
5	10.6	152
6	11.6	205
9	13.5	312
10	15.5	378
12	15.9	434
16	17.6	550
18	18.3	616
19	18.5	634
25	21.6	817
12AWG		
2	9.5	132
3	10.0	177
4	10.9	201
5	11.9	274
6	13.0	315
7	13.1	353
9	15.9	476
12	17.8	613
16	19.8	783
19	20.8	918
20	21.9	961
25	25.3	1236
10AWG		
2	11.9	213
3	12.6	283
4	14.7	387
5	16.0	473
7	17.4	607
9	20.4	771
12	23.9	1061



Caledonian Windmill Cables

Control Cable

Construction No. Of Cores	Nominal Overall Diameter mm	Nominal Weight kg/km
19	27.9	1528
	8AWG	
4	19.7	662
5	21.7	784
	6AWG	
3	19.5	701
4	21.9	908
5	24.0	1149
	4AWG	
3	24.3	1060
4	27.1	1366
5	29.3	1631
	2AWG	
3	27.9	1480
4	31.4	1922
5	34.0	2363
	1AWG	
4	34.8	2397
	1/0MCM	
4	37.9	2938
	2/0MCM	
4	41.3	3559
	3/0MCM	
4	48.6	4181
	4/0MCM	
4	51.2	5747
	250MCM	
4	55.0	7591
	350MCM	
4	63.5	8299
	500MCM	
4	73.7	10549