

CONTACT

Market information
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Control cables UL Type WTTC & TC

UL Subject 2277 & UL Standard 1277

STANDARDS

Product UL 1277; UL 2277

Application

Nexans Wind Turbine Tray Cable WINDLINK® LV-UL WTTC was specifically designed to withstand extreme conditions encountered in wind turbine applications.

Product characteristics

- Flame-retardant acc. to CSA FT4 (Vertical Tray)
- Oil-resistant acc. to UL OIL RES I
- UV resistant
- Suitable for torsional applications in wind turbines

Approvals

- UL MTW
- UL TC-ER 90°C 600V
- UL WTTC 90°C 1000V
- UL DP-1
- UL AWM 600V

CHARACTERISTICS

Construction characteristics

Conductor material	Soft annealed copper
Insulation	PVC compound
Individual sheath	Nylon jacketing compound
Insulation colour	Black w. number + yellow/green
Outer sheath	Special PVC compound
Sheath colour	Black - RAL 9005

Electrical characteristics

Test voltage	2500 V
Insulation resistance at 20°C	20 MOhm.km
Nominal Voltage	1000 V

Usage characteristics

Ambient dynamic operating temperature, range	-5 ... 90 °C
Ambient static operating temperature, range	-40 ... 90 °C
Minimum bending radius, occasionally moving	8 (xD)
Minimum bending radius, fixed installation	4 (xD)
Flame retardant	UL 1581 SEC. 1160 AND CSA FT4
Oil resistance	Oil resistance I

PRODUCT LIST

Reference	Country Ref.	Name	Construction type	Nominal outer diameter [mm]
☎	-	LV UL WTTC 4G1	4 G 1.0	7.9
☎	-	LV UL WTTC 14G1	14G1	12.5
☎	-	LV UL WTTC 25G1	25 G 1.0	17.4
☎	-	LV UL WTTC 5G1	5 G 1.0	8.5
☎	-	LV UL WTTC 9G1.5	9G1,5	12.5
☎	-	LV UL WTTC 16G1.5	16G1,5	15.4
☎	-	LV UL WTTC 16G1	16G1	13.9
☎	-	LV UL WTTC 19G1.5	19G1,5	16.2
☎	-	LV UL WTTC 19G1	19 G 1.0	14.6
☎	-	LV UL WTTC 2x2.5	2 x 2.5	8.3
☎	-	LV UL WTTC 4G35	4 G 35	31.4
☎	-	LV UL WTTC 2x1	2 x 1.0	6.9
☎	-	LV UL WTTC 9G1	9G1	11.3
☎	-	LV UL WTTC 3G1	3 G 1.0	7.3
☎	-	LV UL WTTC 7G1	7 G 1.0	9.2
☎	-	LV UL WTTC 12G1	12 G 1.0	12.0
☎	-	LV UL WTTC 18G1	18 G 1.0	14.6
☎	-	LV UL WTTC 2x1.5	2 x 1.5	7.5
☎	-	LV UL WTTC 3G1.5	3 G 1.5	7.9

☎ = Make to order, ☒ = In stock,

Reference	Country Ref.	Name	Construction type	Nominal outer diameter [mm]
☎	-	LV UL WTTC 4G1.5	4 G 1.5	8.6
☎	-	LV UL WTTC 5G1.5	5 G 1.5	9.4
☎	-	LV UL WTTC 7G1.5	7 G 1.5	10.2
☎	-	LV UL WTTC 12G1.5	12 G 1.5	14.0
☎	-	LV UL WTTC 18G1.5	18 G 1.5	16.2
☎	-	LV UL WTTC 25G1.5	25 G 1.5	19.0
☎	-	LV UL WTTC 3G2.5	3 G 2.5	8.8
☎	-	LV UL WTTC 4G2.5	4 G 2.5	9.5
☎	-	LV UL WTTC 5G2.5	5 G 2.5	10.5
☎	-	LV UL WTTC 7G2.5	7 G 2.5	11.4
☎	-	LV UL WTTC 3G4	3 G 4	10.1
☎	-	LV UL WTTC 4G4	4 G 4	11.0
☎	-	LV UL WTTC 5G4	5 G 4	12.2
☎	-	LV UL WTTC 7G4	7 G 4	13.2
☎	-	LV UL WTTC 3G6	3 G 6	12.8
☎	-	LV UL WTTC 4G6	4 G 6	14.0
☎	-	LV UL WTTC 5G6	5 G 6	15.4
☎	-	LV UL WTTC 7G6	7 G 6	16.9
☎	-	LV UL WTTC 3G10	3 G 10	17.2
☎	-	LV UL WTTC 4G10	4 G 10	18.8
☎	-	LV UL WTTC 5G10	5 G 10	20.7
☎	-	LV UL WTTC 7G10	7 G 10	23.5
☎	-	LV UL WTTC 3G16	3 G 16	19.7
☎	-	LV UL WTTC 4G16	4 G 16	22.3
☎	-	LV UL WTTC 5G16	5 G 16	24.3
☎	-	LV UL WTTC 24G1	24G1	17.4
☎	-	LV UL WTTC 8G1.5	8G1,5	11.7
☎	-	LV UL WTTC 9G2.5	9G2,5	14.1
☎	-	LV UL WTTC 12G2.5	12 G 2.5	15.6
☎	-	LV UL WTTC 18G2.5	18 G 2.5	18.3
☎	-	LV UL WTTC 6G4	6G4	13.2
☎	-	LV UL WTTC 4G25	4 G 25	27.3
☎	-	LV UL WTTC 5G25	5 G 25	29.7
☎	-	LV UL WTTC 5G35	5 G 35	34.7
☎	-	LV UL WTTC 25G2.5	25G2,5	22.7
☎	-	LV UL WTTC 16G2.5	16G2,5	17.3

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WORKING VOLTAGE

- UL AWM 600V
- UL TC-ER / MTW 600V
- UL WTTC 1000V

SELLING AND DELIVERY INFORMATION

Marking

E219385 - CE - Week/Year of production - TYPE WTTC / THHN or THWN 90°C 1000V or MTW 90°C 600 V - n x/G yy
mm²/AWG size

n: number of conductors

x/G: without/with Yellow/Green conductor

yy: section of conductor

Meter marking