



CONTACT

Market information
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UL-listed control cables for fixed installation outside and inside cable tray and wind turbines, PVC jacket, unshielded, oil resistant, flame retardant, TC-ER and MTW approved, UL Listed

STANDARDS

Product UL 1277; UL 2277; UL and CSA approval

Cables designed for static application, .

Applications:

- Machine tools
- Wood machines
- Marble working machines
- Robotics
- Industrial sector

Approvals:

UL MTW UL1063

UL TC-ER 90°C 600V UL1277

UL WTTC 90°C 1000V UL2277

UL DP-1

UL AWM 600V UL758

C(UL) CIC/TC

CHARACTERISTICS

Construction characteristics

Conductor material	Annealed copper
Insulation	PVC/Nylon
Insulation colour	Black w. number + yellow/green
Outer sheath	Special PVC compound
Sheath colour	Black

Electrical characteristics

Rated Voltage Uo/U	600 V
Test voltage	2000 V



Operating temp.
-5 ... 90 °C



Flame retardant
UL 1581 SEC. 1160 AND CSA FT4



Oil resistance
Yes

Usage characteristics

Field of application	Fixed installations
Operating temperature, range	-5 ... 90 °C
Minimum bending radius, static (XD)	15
Flame retardant	UL 1581 SEC. 1160 AND CSA FT4
Oil resistance	Yes

PRODUCTLIST

Reference	Name	Cross section [mm²]	Nb. of cores	Construction type	Outer Diameter [mm]	Approx. weight [kg/km]
10554630	TRAY CABLE TC-ER 2 x 1.0 mm²	1	2	2x1	6.9	76
10554633	TRAY CABLE TC-ER 3 x 1.0 mm²	1	3	3G1	7.3	89
10554638	TRAY CABLE TC-ER 4 x 1.0 mm²	1	4	4G1	7.9	107
10554640	TRAY CABLE TC-ER 5 x 1.0 mm²	1	5	5G1	8.5	126
10554642	TRAY CABLE TC-ER 7 x 1.0 mm²	1	7	7G1	9.2	155
10554646	TRAY CABLE TC-ER 12 x 1.0 mm²	1	12	12G1	12	244
10554587	TRAY CABLE TC-ER 18 x 1.0 mm²	1	18	18G1	14.6	372
10554590	TRAY CABLE TC-ER 25 x 1.0 mm²	1	25	25G1	17.4	496
10554593	TRAY CABLE TC-ER 2 x 1.5 mm²	1.5	2	2x1,5	7.5	93.5
10554598	TRAY CABLE TC-ER 3 x 1.5 mm²	1.5	3	3G1,5	7.9	110
10554603	TRAY CABLE TC-ER 4 x 1.5 mm²	1.5	4	4G1,5	8.6	133
10554606	TRAY CABLE TC-ER 5 x 1.5 mm²	1.5	5	5G1,5	9.3	160
10554609	TRAY CABLE TC-ER 7 x 1.5 mm²	1.5	7	7G1,5	10.2	199
10554612	TRAY CABLE TC-ER 12 x 1.5 mm²	1.5	12	12G1,5	14	341
10554615	TRAY CABLE TC-ER 18 x 1.5 mm²	1.5	18	18G1,5	16.2	486



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Oil resistance
Yes

Reference	Name	Cross section [mm ²]	Nb. of cores	Construction type	Outer Diameter [mm]	Approx. weight [kg/km]
10554429	TRAY CABLE TC-ER 25 x 1.5 mm ²	1.5	25	25G1,5	19	644
10554433	TRAY CABLE TC-ER 3 x 2.5 mm ²	2.5	3	3G2,5	8.8	148
10554436	TRAY CABLE TC-ER 4 x 2.5 mm ²	2.5	4	4G2,5	9.5	182
10554440	TRAY CABLE TC-ER 5 x 2.5 mm ²	2.5	5	5G2,5	10.5	219
10554444	TRAY CABLE TC-ER 7 x 2.5 mm ²	2.5	7	7G2,5	11.4	280
10554447	TRAY CABLE TC-ER 12 x 2.5 mm ²	2.5	12	12G2,5	15.6	470
	TRAY CABLE TC-ER 18 x 2.5 mm ²	2.5	18	18G2,5	18.3	682
10554449	TRAY CABLE TC-ER 18 x 2.5 mm ²	2.5	18	18G2,5	18.3	682
10554451	TRAY CABLE TC-ER 25 x 2.5 mm ²	2.5	25	25G2,5	22.7	992
10554453	TRAY CABLE TC-ER 3 x 4.0 mm ²	4	3	3G4	10.1	216
10554456	TRAY CABLE TC-ER 4 x 4.0 mm ²	4	4	4G4	11	266
10554459	TRAY CABLE TC-ER 5 x 4.0 mm ²	4	5	5G4	12.2	326
10554399	TRAY CABLE TC-ER 7 x 4.0 mm ²	4	7	7G4	13.2	415
10554403	TRAY CABLE TC-ER 3 x 6.0 mm ²	6	3	3G6	12.2	329
10554405	TRAY CABLE TC-ER 4 x 6.0 mm ²	6	4	4G6	14	408
10554407	TRAY CABLE TC-ER 5 x 6.0 mm ²	6	5	5G6	15.4	497
10554409	TRAY CABLE TC-ER 7 x 6.0 mm ²	6	7	7G6	16.9	625
10580265	TRAY CABLE TC-ER 3 x 10.0 mm ²	10	3	3G10	17.2	568
10554520	TRAY CABLE TC-ER 4 x 10.0 mm ²	10	4	4G10	18.8	705
	TRAY CABLE TC-ER 5 x 10.0 mm ²	10	5	5G10	21.5	880



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Oil resistance
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Reference	Name	Cross section [mm²]	Nb. of cores	Construction type	Outer Diameter [mm]	Approx. weight [kg/km]
10554462	TRAY CABLE TC-ER 3 x 16.0 mm²	16	3	3G16	19.7	796
10554464	TRAY CABLE TC-ER 4 x 16.0 mm²	16	4	4G16	22.3	1056
10554468	TRAY CABLE TC-ER 4 x 25.0 mm²	25	4	4G25	27.2	1648
10554470	TRAY CABLE TC-ER 4 x 35.0 mm²	35	4	4G35	31.4	2260
10554471	TRAY CABLE TC-ER 4 x 50.0 mm²	50	4	4G50	35.6	4120



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