



HELUKABEL TRAYCONTROL TC-ER MTW 18 AWG / 1 QMM 5C 600V CSA AWM FT 4 CE



## Technical data

- Special PVC control cables
- **Temperature range**  
flexing -5°C to +90°C  
fixed installation -40°C to +90°C
- **Nominal voltage** to UL 600 V
- **Test voltage** 3000 V
- **Breakdown voltage** min. 6000 V
- **Insulation resistance**  
min. 20 MΩm x km
- **Minimum bending radius**  
7,5x cable Ø
- **Radiation resistance**  
up to 80x10<sup>6</sup> cJ/kg (up to 80 Mrad)

## Cable structure

- Bare copper, fine wire conductors, according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation
- Black cores with continuous white numbering according to DIN VDE 0293
- Green-yellow earth core in the outer layer (3 cores and above)
- Cores stranded in layers with optimal lay-length
- Special PVC outer sheath
- Sheath colour grey (RAL 7001)
- with meter marking

## Properties

- Material self-extinguishing and flame retardant to CSA FT4
- The materials used in manufacture are cadmium-free and contain no silicone and free from substances harmful to the wetting properties of lacquers

## Note

- G = with green-yellow earth core;  
x = without green-yellow earth core (OZ).
- AWG sizes are approximate equivalent values. The actual cross-section is in mm<sup>2</sup>.
- **screened analogue type:**  
**TRAYCONTROL-C** see page N 24

## Application

USA NFPA79, edition 2007 conformant flexible control cables, for all machinery in tool and plant construction, suitable for installation in dry, humid and damp environments, but not suitable for open air. For open, unprotected installation from the cable rack to machines and industrial plants.

CE= The product is conformed with the EC Low-Voltage Directive 2006/95/EG.

Part No.	No. cores x cross-sec. mm <sup>2</sup>	AWG-no.	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
65614	2 x 1	18	7,8	19,2	72,0
65615	3 G 1	18	8,2	29,0	84,0
65616	4 G 1	18	8,9	39,0	96,0
65617	5 G 1	18	9,8	48,0	114,0
65618	7 G 1	18	11,0	67,0	147,0
65619	12 G 1	18	14,5	115,0	256,0
65620	18 G 1	18	16,9	173,0	367,0
65621	25 G 1	18	20,1	240,0	477,0
65622	2 x 1,5	16	8,2	28,8	88,0
65623	3 G 1,5	16	8,5	43,0	102,0
65624	4 G 1,5	16	9,4	58,0	119,0
65625	5 G 1,5	16	10,3	72,0	144,0
65626	7 G 1,5	16	11,5	101,0	189,0
65627	12 G 1,5	16	15,3	173,0	328,0
65628	18 G 1,5	16	18,0	259,0	427,0
65629	25 G 1,5	16	22,4	360,0	594,0
65630	2 x 2,5	14	9,2	48,0	108,0
65631	3 G 2,5	14	9,7	72,0	137,0
65632	4 G 2,5	14	10,5	96,0	157,0
65633	5 G 2,5	14	11,6	120,0	190,0
65634	7 G 2,5	14	13,9	168,0	253,0
65635	3 G 4	12	10,8	115,0	187,0
65636	4 G 4	12	11,8	154,0	226,0
65637	5 G 4	12	13,0	192,0	280,0
65638	7 G 4	12	15,4	269,0	390,0
65639	4 G 6	10	14,3	230,0	381,0

Part No.	No. cores x cross-sec. mm <sup>2</sup>	AWG-no.	Outer Ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
65640	5 G 6	10	15,6	288,0	465,0
65641	4 G 10	8	18,4	384,0	584,0
65642	5 G 10	8	20,1	480,0	781,0
65643	4 G 16	6	23,7	614,0	866,0

Dimensions and specifications may be changed without prior notice. (RN01)