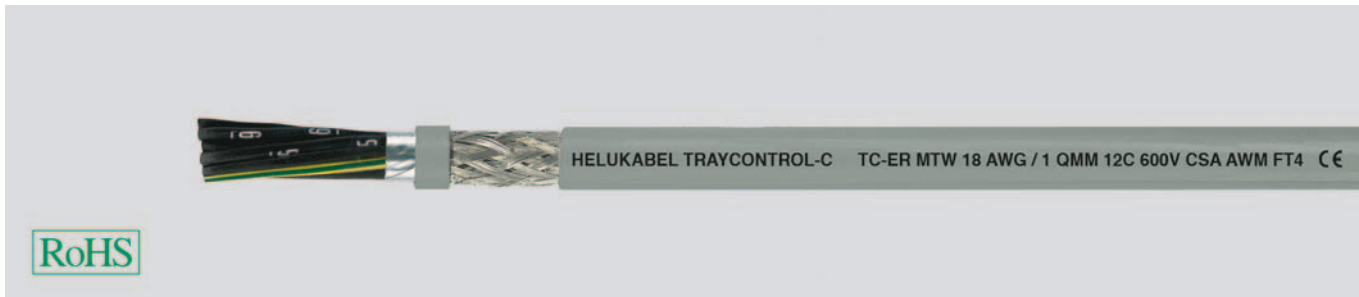


TRAYCONTROL-C flexible, number coded, screened, meter marking, exposed run



new

Technical data

- Special PVC control cables, screened
- **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 MOhm x km
- **Minimum bending radius**
10x cable Ø
- **Radiation resistance**
up to 80x10⁶ cJ/kg (up to 80 Mrad)
- **Coupling resistance**
max. 250 Ohm/km

Cable structure

- Bare copper, fine wire conductors, according to DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Spezial 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
- Electrostatic screen (St) of plastic coated aluminium foil and drain wire
- Tinned copper braided screening, approx. 85% coverage
- 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 mm².
- To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.
- **unscreened analogue type:**
TRAYCONTROL see page N 11

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.

EMC = Electromagnetic compatibility

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

Part No.	No. cores x cross-sec. mm ²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
65645	2 x 1	18	8,4	50,0	151,0
65646	3 G 1	18	8,8	60,0	164,0
65647	4 G 1	18	9,5	71,0	200,0
65648	5 G 1	18	10,3	88,0	229,0
65649	7 G 1	18	11,5	111,0	306,0
65650	12 G 1	18	15,2	184,0	460,0
65651	18 G 1	18	17,5	260,0	624,0
65652	25 G 1	18	21,6	349,0	845,0
65653	50 G 1	18	26,2	625,0	1096,0
65654	2 x 1,5	16	8,8	63,0	161,0
65655	3 G 1,5	16	9,2	80,0	181,0
65656	4 G 1,5	16	10,0	97,0	240,0
65657	5 G 1,5	16	10,8	119,0	274,0
65658	7 G 1,5	16	12,0	147,0	367,0
65659	9 G 1,5	16	14,3	182,0	437,0
65660	12 G 1,5	16	16,0	267,0	598,0
65661	18 G 1,5	16	18,7	374,0	787,0
65662	25 G 1,5	16	22,0	526,0	1240,0
65663	3 G 2,5	14	10,2	144,0	294,0
65664	4 G 2,5	14	11,1	148,0	341,0
65665	5 G 2,5	14	12,1	181,0	420,0
65666	7 G 2,5	14	14,5	255,0	551,0
65667	3 G 4	12	11,4	174,0	381,0
65668	4 G 4	12	12,4	230,0	504,0
65669	5 G 4	12	14,3	273,0	692,0
65670	7 G 4	12	16,0	316,0	908,0

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

Part No.	No. cores x cross-sec. mm ²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
65671	4 G 6	10	14,7	305,0	729,0
65672	5 G 6	10	16,1	439,0	1082,0
65673	4 G 10	8	19,1	535,0	1324,0
65674	5 G 10	8	22,0	592,0	1596,0

N