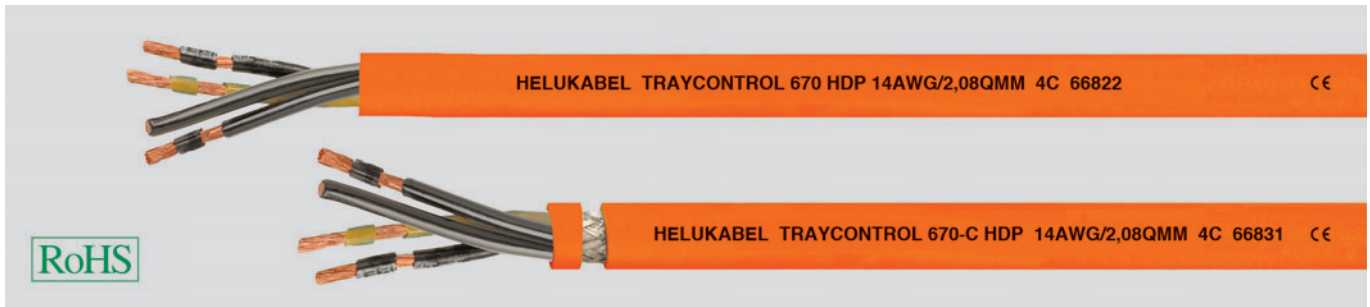


# TRAYCONTROL 670 HDP / 670-C HDP flexible, oil-resistant, open installation (TC-ER), NFPA 79 Edition 2007



new

## Technical data

- TPE motor supply cable according to UL 1277
- **Temperature range**  
Flexing -40°C bis +105°C
- **Nominal voltage**  
TC 600 V  
AWM 1000 V  
TC Wind Turbine (WTTC) 1000 V
- **Test voltage** 4000 V
- **Minimum bending radius**  
7,5 cable ø
- **Coupling resistance (-C-type)**  
Max. 250 Ohm/km

## Cable structure

- Tinned copper conductor, fine wire stranded with AWG measures
- Special PVC core insulation with transparent nylon skin
- Black cores with continuous white numbering
- Green-yellow earth core in the outer layer
- Cores stranded in layers with optimal lay-lengths
- Separator
- Special TPE outer jacket
- Sheath colour orange (RAL 2003)
- With length marking in feet
- **C-Type**  
Screening with braid of tinned copper wires, optimal coverage, approx. 85%

## Properties

- Self-extinguishing and flame retardant in accordance with CSA FT4
- The materials used in manufacture are free of silicone, cadmium and substances that impair paint wetting

### Tests

#### UL:

TC-ER, WTTC, MTW, NFPA 79 2007, UL 1277, UL AWM 105°C, OIL RES I & II, 75° C wet Bus Drop Cable Class I Div 2 per NEC Art. 336, 318, 501

#### CSA:

c (UL) CIC-TC FT4,  
AWM I/II A/B FT4

## Note

- HDP = Heavy Duty Power

## Application

**HELUKABEL TRAYCONTROL 670 HDP / 670-C-HDP** are multi-conductor severe duty motor supply cables with Bus Drop, UL TC-ER and CSA CIC/TC approval. Superior oil performance for long cable life and permitted to be used in hazardous (classified) locations Class I Div 2 per NEC 336, 318 and 501. Special extruded jacket and fine copper stranding approved for exposed run, pipes and burial installation. Excellent flexibility and easier to pull than standard tray cables. Suitable for installation in dry, humid and damp environments, in the open unprotected installation from the cable tray to machines.

**Recommended Applications:** Motor connections in industrial and automation environments, machine tool, automotive and renewable energies

CE = The product conforms to EC Low-Voltage Directive 2006/95/EG

### TRAYCONTROL 670 HDP

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
66820	4 x 1	18	8,4	39,0	103,0
66821	4 G 1,32	16	9,2	51,0	133,0
66822	4 G 2,08	14	10,0	80,0	170,0
66823	4 G 3,31	12	11,2	127,0	229,0
66824	4 G 6	10	15,2	230,0	393,0
66825	4 G 10	8	19,3	384,0	626,0
66826	4 G 16	6	22,4	614,0	885,0
66827	4 G 25	4	26,7	960,0	1301,0
66828	4 G 35	2	31,5	1344,0	1983,0

### TRAYCONTROL 670-C HDP

Part no.	No. cores x cross-sec. mm²	AWG-No.	Outer Ø approx. mm	Cop. weight kg / km	Weight approx. kg / km
66829	4 x 1	18	9,8	52,0	133,0
66830	4 G 1,32	16	10,5	72,0	159,0
66831	4 G 2,08	14	11,7	115,0	222,0
66832	4 G 3,31	12	12,8	179,0	283,0
66833	4 G 6	10	16,9	256,0	460,0
66834	4 G 10	8	22,1	426,0	741,0
66835	4 G 16	6	26,2	657,0	1059,0
66836	4 G 25	4	30,8	1026,0	1497,0
66837	4 G 35	2	35,0	1412,0	2058,0

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