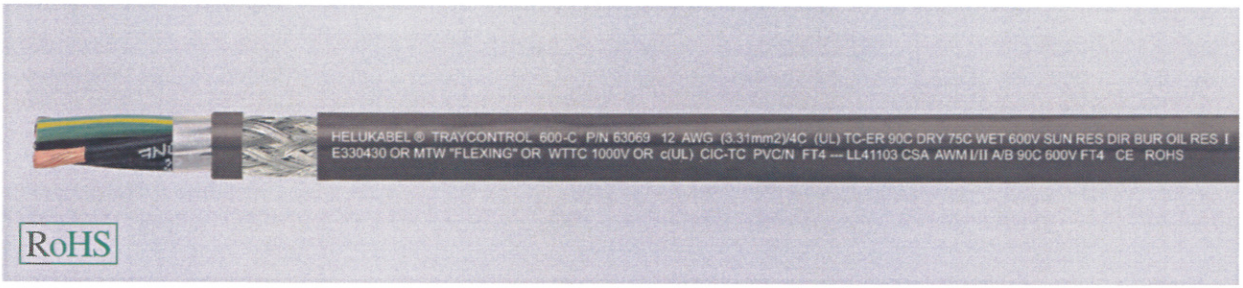
TRAYCONTROL 600-C flexible, oil-resistant, screened,

EMC preferred type, TRAY CABLE for open installation TC-ER, PLTC-ER, ITC-ER, NFPA 79 Edition 2007



Technical Data

- PVC power cable according to UL 1277
- **Temperature range**
  UL/CSA TC -40°C to +90°C
  UL / AWM -40°C to +90°C
- **Nominal voltage**
  TC 600 V
  AWM 1000 V
  WTTC 1000 V
- **Test voltage**
  3000 V
- **Coupling resistance**
  Max. 250 Ohm/km
- **Minimum bending radius**
  approx. 6x cable Ø
- **Insulation resistance**
  Min. 20 MOhm x km
- **Radiation resistance**
  Up to 80x10^6 cJ/kg (up to 80Mrad)

Cable Structure

- Bare copper conductor, fine wire stranded with AWG dimensions
- Special PVC core insulation with transparent nylon skin
- Black cores with continuous white numbering
- Green-yellow earth core in the outer layer, 3 cores and above
- Cores stranded in layers with optimal lay-lengths
- Separating foil
- Braided screening of tinned copper wires, coverage approx. 85%
- Separator
- Special PVC outer jacket
- Sheath colour - black (RAL 9005)
- With length marking in feet

Properties

- Self-extinguishing and flame retardant material in accordance with CSA FT4
- The materials used in manufacture are free of silicone, cadmium and substances that impair paint wetting
- UV-resistant
- **Tests**
  UL:
  TC-ER, PLTC-ER (AWG 18 - AWG 12), ITC-ER (AWG 18 - AWG 12), UL 1277, UL Type WTTC, UL Type MTW
  NFPA 79 2007, Oil Res I (Oil Res II also available), 90° C dry / 75° C wet
  CSA:
  c (UL) CIC-TC FT4,
  CSA AWM I/II A/B FT4

Notes

- G = with green-yellow earth core
- X = without earth core (OZ)

Advantages

- TC-ER, Tray Cable Exposed Run
- Simple installation
- Outstanding flexibility

Application

USA NFPA79, Edition 2007 compliant, screened, flexible power cable to 600 V (WTTC 1000 V), for all tool and plant construction machinery, suitable for installation in dry, damp and wet environments, outdoors and in pipes. For underground installation and for open, unprotected installation from the cable tray to the machine and industrial plants.

EMC = Electromagnetic compatibility. To optimise EMC characteristics, we recommend a large contact area for the copper braiding around the entire circumference on both ends.

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

Part No.	Number of cores	Outer Ø approx. mm	Cop. Weight kg/km	Weight approx. kg/km
18 AWG / 1 mm² (19/30)				
63049	3	8.2	31	118
63050	4	8.8	52	136
63051	5	9.4	62	149
63052	7	10.1	83	193
63053	12	12.9	143	328
63054	18	15.7	207	431
63055	25	17.7	284	569
16 AWG / 1.32 mm² (26/30)				
62997	3	8.9	57	144
63056	4	9.6	72	172
63057	5	10.3	84	186
63058	7	11.3	124	243
63059	12	15.1	199	421
63060	18	17.3	290	510
63061	25	19.6	384	704
14 AWG / 2.08 mm² (41/30)				
63062	3	9.8	85	178
63063	4	10.7	115	220
63064	5	11.6	139	264
63065	7	12.5	185	325
63066	12	16.9	309	591
63067	18	19.5	448	780
63068	25	23.3	632	1041
12 AWG / 3.31 mm² (65/30)				
63069	4	12.5	179	313
63070	5	14.4	223	384
63071	7	15.5	298	492
10 AWG / 6 mm² (105/30)				
63072	4	15.5	256	547
63073	5	16.8	312	608
63074	7	18.2	430	850
8 AWG / 10 mm² (168/30)				
63075	4	18.7	426	851
6 AWG / 16 mm² (266/30)				
63076	4	23.3	657	1197
4 AWG / 25 mm² (413/30)				
63077	4	28.6	1026	1970
2 AWG / 35 mm² (665/30)				
63078	4	33.2	1412	2874

Dimensions and specifications may be changed without prior notice.