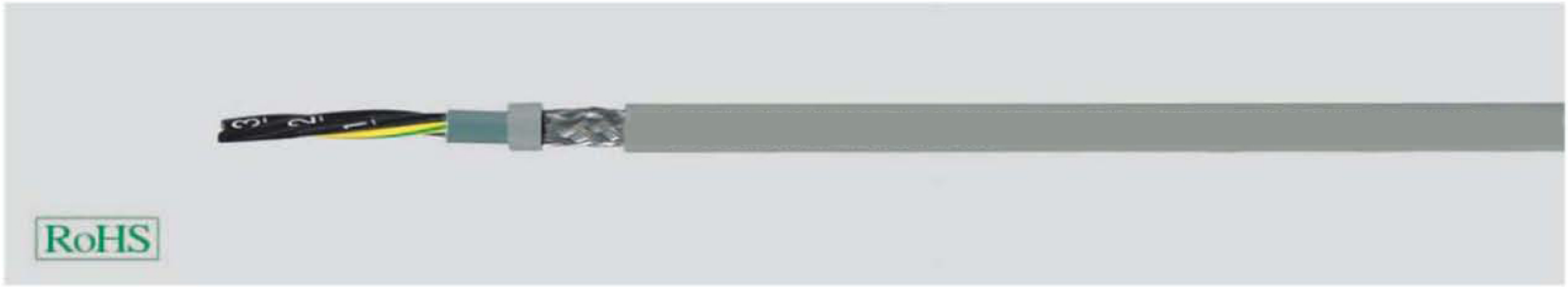
JZ-603-CY three approvals control cable, Cu-screened, EMC-preferred



Technical data

- Special PVC control cable with oil resistant outer sheath to DIN VDE 0281 part 13, HD 21.13 S1 and to UL-Style 2587
- **Temperature range**
  flexing -5°C to +70°C (HAR)
  -5°C to +90°C (UL+CSA)
  fixed installation -40°C to +70°C (HAR)
  -40°C to +90°C (UL+CSA)
- **Nominal voltage**
  U_0/U 300/500 V (HAR)
  U 600 V (UL+CSA)
- **Test voltage** 3000 V
- **Breakdown voltage** min. 6000 V
- **Insulation resistance**
  min. 20MOhm x km
- **Minimum bending radius**
  flexing 10x cable Ø
  fixed installation 5x 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 conductorsto DIN VDE 0295 cl. 5, BS 6360 cl. 5 and IEC 60228 cl. 5
- Special PVC core insulation TI1, to DIN VDE 0281 part 1, HD 21.1S2 and class 43 to UL-Std. 1581
- Black cores with white continuous numbering
- Green-yellow earth core in the outer layer
- PVC based inner sheath
- Tinned copper braiding screening, 85% coverage
- Special PVC outer sheath TM5, oil resistant to DIN VDE 0281 part 1, HD 21.1 S4 and class 43 to UL-Std. 1581
- Colour grey (RAL 7001)

Properties

- Oil resistant as per HD/EN 60811-2-1, UL 1581 part 50.182
- PVC self-extinguishing and flame retardant according to VDE 0482-332-1-2, DIN EN 60332-1-2/ IEC 60332-1 (equivalent DIN VDE 0472 part 804 test method B) UL-VW 1
- 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).
- The follwing amendments in the cable designation result from the new DIN VDE 0281 part 13 / harmonised in accordance with HD 21.13S1: NYSLYÖ-J (new: H05VV5-F) and NYSLYCYÖ-J (new: H05VVC4V5-K). SEV-approval is no longer applicable as a result of the harmonisation.
- unscreened analogue type:
  JZ-603

Application

UL-CSA-HAR approved cables offer any company exorting anywhere in the world, primarily designed for exporters, used in machine tools, control systems, assembly lines and other industrial equipment. These cables are suitable for flexible use for medium mechanical stresses with free movements in dry, moist and wet rooms but not for open air.
EMC = Electromagnetic compatibillity
To optimise the EMC features we recommend a large round contact of the copper braiding on both ends.
CE= The product is conformed with the EC Low-Voltage Directive 73/23/EEC and 93/68/EEC.

Part No.	No.cores x cross-sec. mm²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
83709	2 x 0,5	20	7,7	30,0	90,0
83720	3 G 0,5	20	8,3	42,0	105,0
83721	4 G 0,5	20	8,9	51,0	123,0
83722	5 G 0,5	20	9,7	56,0	147,0
83723	7 G 0,5	20	11,2	75,0	195,0
83724	12 G 0,5	20	13,6	124,0	276,0
83725	18 G 0,5	20	15,4	166,0	418,0
83726	25 G 0,5	20	18,6	196,0	504,0
83727	34 G 0,5	20	20,8	242,0	632,0
83728	41 G 0,5	20	22,6	351,0	750,0
83729	50 G 0,5	20	24,8	398,0	968,0
83730	61 G 0,5	20	26,0	447,0	1068,0
83710	2 x 0,75	18	8,0	41,0	101,0
83731	3 G 0,75	18	8,6	50,0	127,0
83732	4 G 0,75	18	9,4	61,0	155,0
83733	5 G 0,75	18	10,1	73,0	180,0
83734	7 G 0,75	18	11,9	93,0	225,0
83735	12 G 0,75	18	14,2	155,0	326,0
83736	18 G 0,75	18	16,6	211,0	457,0
83737	25 G 0,75	18	20,0	278,0	635,0
83738	34 G 0,75	18	22,4	360,0	805,0
83739	41 G 0,75	18	24,0	454,0	908,0
83740	50 G 0,75	18	26,2	541,0	1155,0
83741	61 G 0,75	18	30,0	628,0	1400,0
83711	2 x 1	17	8,5	48,0	113,0
83742	3 G 1	17	9,2	61,0	144,0
83743	4 G 1	17	9,8	76,0	178,0
83744	5 G 1	17	10,7	85,0	205,0
83745	7 G 1	17	12,5	113,0	263,0
83746	12 G 1	17	15,1	195,0	424,0

Part No.	No.cores x cross-sec. mm²	AWG-no.	Outer ø ca. mm	Cop. weight kg / km	Weight ca. kg / km
83747	18 G 1	17	17,3	256,0	560,0
83748	25 G 1	17	21,1	342,0	760,0
83749	34 G 1	17	23,5	447,0	945,0
83750	41 G 1	17	25,5	575,0	1151,0
83751	50 G 1	17	27,6	666,0	1300,0
83752	61 G 1	17	32,4	780,0	1500,0
83712	2 x 1,5	16	9,4	69,0	144,0
83753	3 G 1,5	16	10,1	80,0	160,0
83754	4 G 1,5	16	11,0	94,0	210,0
83755	5 G 1,5	16	12,3	114,0	240,0
83756	7 G 1,5	16	14,2	143,0	305,0
83757	12 G 1,5	16	17,1	254,0	482,0
83758	18 G 1,5	16	20,0	314,0	611,0
83759	25 G 1,5	16	24,0	477,0	950,0
83760	34 G 1,5	16	27,1	671,0	1200,0
83761	41 G 1,5	16	29,7	777,0	1400,0
83762	50 G 1,5	16	31,8	911,0	1665,0
83763	61 G 1,5	16	34,6	1079,0	1852,0
83713	2 x 2,5	14	11,1	81,0	189,0
83764	3 G 2,5	14	12,0	115,0	244,0
83765	4 G 2,5	14	13,4	141,0	296,0
83766	5 G 2,5	14	14,6	188,0	367,0
83767	7 G 2,5	14	17,2	241,0	478,0
83768	12 G 2,5	14	21,2	397,0	622,0
83769	18 G 2,5	14	24,8	556,0	1010,0
83770	25 G 2,5	14	29,8	790,0	1375,0
83771	34 G 2,5	14	34,4	1007,0	1893,0
83772	50 G 2,5	14	39,0	1498,0	2666,0
83773	61 G 2,5	14	41,0	1794,0	3077,0

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