JZ-602 RC-CY

Cable for drag chains, 1000 V, two approval control cable, meter marking, EMC-preferred type



Technical data

- Special-PVC cable for drag chains acc. to UL CSA AWM I/II A/B Style 21179
- **Temperature range**
  flexing -5°C to +80°C
  fixed installation -40°C to +80°C
- **Nominal voltage**
  UL/CSA 1000 V
- **Test voltage**
  3000 V
- **Minimum bending radius**
  flexing 10x cable Ø
  fixed installation 5x cable Ø
- **Coupling resistance**
  max. 250 Ohm/km

Cable structure

- Bare copper conductor, extra fine wire acc. to DIN VDE 0295 cl.6, col. 4 / IEC 60228 cl.6
- Core insulation special PP
- Core identification to DIN VDE 0293 black cores with continuous white numbering
- GN-YE conductor in the outer layer
- Cores stranded in layers with optimal selected lay length
- Wrapping of fleece between the layers of stranding
- Wrapping over the outer layer
- Braided screen of tinned Cu wires, coverage approx. 85 %
- Core wrapping with fleece
- Outer sheath special PVC acc. to UL Style 21179 and CSA-Std. C22.2 No.210
- Sheath colour: black (RAL 9005)
- With meter marking

Properties

- UV-resistant
- At room temperature largely resistant to acids and alkalis.
- The materials used during manufacturing are cadmium-free, contain no silicone and are free from substances harmful to the wetting properties of lacquers

Tests

- Flame retardant
  acc. to DIN VDE 0482-332-1-2 / DIN EN 60332-1-2 / IEC 60332-1-2 / UL VW-1 / CSA FT1

Note

- G = with GN-YE conductor
- The conductor is metrically constructed (mm²). The AWG designation is approximate and purely informative.
- Unscreened analogue type:
  JZ-602 RC

Application

These cable are used for flexible use for medium mechanical stresses with free movement without tensile stress or forced movements in dry, moist and wet rooms and in open air. These special cables for drag chains are used for permanent flexible applications in machineries, machine tools, robot technics, for movable automated machinery parts. These cables have shown excellent performance in combination with standard cable trays. The dense screening assures disturbance-free transmission of all signals and impulses. An ideal disturbance-free control cable for the above applications. Interesting for the export-oriented machines and machinery plants. For applications which go beyond standard solutions we recommend for our especially developed inquiry sheet for energy guiding systems, further technical details see selection table for drag chain cable in chapter "Technical Information". For use in cable drag chains please note installation instruction.

EMC = Electromagnetic compatibility

To optimize the EMC features we recommend a large round contact of the copper braiding on both ends.

RC = Robotics Cable

CE = Product conforms with Low-Voltage Directive 2014/35/EU.

Part no.	No.cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
89950	3 G 0,5	20	6,5	42,0	62,0
89951	4 G 0,5	20	7,0	47,0	73,0
89952	5 G 0,5	20	7,5	56,0	85,0
89953	7 G 0,5	20	8,5	69,0	111,0
89954	9 G 0,5	20	9,6	88,0	125,0
89955	12 G 0,5	20	10,0	108,0	157,0
89956	15 G 0,5	20	11,2	122,0	205,0
89957	18 G 0,5	20	11,9	145,0	227,0
89958	25 G 0,5	20	14,4	220,0	307,0
89959	3 G 1	18	7,4	60,0	84,0
89960	4 G 1	18	7,9	71,0	95,0
89961	5 G 1	18	8,6	88,0	113,0
89962	7 G 1	18	9,9	111,0	157,0
89963	9 G 1	18	11,4	138,0	219,0
89964	12 G 1	18	12,1	184,0	242,0
89965	15 G 1	18	13,7	202,0	337,0
89966	18 G 1	18	14,3	260,0	380,0
89967	25 G 1	18	17,4	349,0	475,0
89968	34 G 1	18	19,6	434,0	648,0
89969	3 G 1,5	16	8,0	80,0	106,0
89970	4 G 1,5	16	8,7	97,0	129,0
89971	5 G 1,5	16	9,4	119,0	159,0

Part no.	No.cores x cross-sec. mm²	AWG-No.	Outer Ø app. mm	Cop. weight kg / km	Weight app. kg / km
89972	7 G 1,5	16	11,1	147,0	213,0
89973	9 G 1,5	16	12,8	189,0	254,0
89974	12 G 1,5	16	13,7	267,0	330,0
89975	18 G 1,5	16	16,2	374,0	504,0
89976	25 G 1,5	16	19,9	526,0	679,0
89977	34 G 1,5	16	22,1	638,0	870,0
89984	3 G 2,5	14	9,3	129,0	167,0
89978	4 G 2,5	14	10,3	148,0	186,0
89985	5 G 2,5	14	11,2	181,0	233,0
89979	7 G 2,5	14	13,7	255,0	344,0
89986	12 G 2,5	14	16,6	368,0	545,0
89980	18 G 2,5	14	19,8	570,0	681,0
89987	3 G 4	12	10,8	174,0	218,0
89981	4 G 4	12	12,0	230,0	275,0
89988	5 G 4	12	13,2	273,0	368,0
89982	7 G 4	12	15,9	316,0	477,0
89983	4 G 6	10	13,8	305,0	417,0
89989	4 G 10	8	17,6	490,0	703,0
89990	4 G 16	6	20,6	740,0	1052,0
89991	4 G 25	4	25,6	1140,0	1487,0
89992	4 G 35	2	31,7	1576,0	2177,0

Dimensions and specifications may be changed without prior notice. (RN05)

31.10.2019 / Dimensions and specifications may be changed without prior notice.