

GAALFLEX® DATA LIYCY-CY PVC data cable with individual and overall copper screen, 350/500 V

ELETTROTEK KABEL® GAALFLEX® DATA LIYCY-CY



Construction:

CONDUCTOR:	FLEXIBLE RED COPPER CONDUCTOR CL.5, ACC. TO IEC 60228, DIN VDE 0295
INSULATION:	SPECIAL PVC COMPOUND
COLOUR CORES:	ACC. TO DIN 47100
STRANDING:	CORES TWISTED IN PAIRS, PAIRS TWISTED IN LAYERS
INDIVIDUAL SCREEN:	PAIRS SCREENED INDIVIDUALLY WITH TINNED COPPER BRAID
INSULATION PAIR:	SPECIAL PVC COMPOUND
WRAPPING:	PETP FOIL
SCREEN:	TINNED COPPER BRAID
OUTER SHEATH:	GREY (RAL 7001), PVC COMPOUND

Resistance:



SELF-EXTINGUISHING AND FLAME RETARDANT ACC. TO:
DIN VDE 0482 PART 265-2-1
EN 50265-2-1
IEC 60332-1-2

Technical data:

NOMINAL VOLTAGE:	≤ 0,14 mm ² = Max.350 V ≥ 0,25 mm ² = Max. 500 V
TEST VOLTAGE:	≤ 0,14 mm ² = 1,2 kV ≥ 0,25 mm ² = 2 kV
TEMPERATURE RANGE	
FIXED LAYING:	- 40°C UP TO + 80°C
FLEXIBLE INSTALLATION:	- 5°C UP TO + 80°C
MIN. BENDING RADIUS	
FIXED LAYING:	6 x D
FLEXIBLE INSTALLATION:	12 x D

Features:

- GOOD EMC CHARACTERISTICS
- OIL RESISTANT
- FLEXIBLE
- SMALL OUTER DIAMETER
- SMALL BENDING RADIUS
- ROHS AND CE APPROVAL



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Part no.	No. of cores x cross section n x mm ²	Outer-Ø ca. mm ± 10%	Copper weight kg/km	Cable weight approx. kg/km	AWG no. *)
35100C54022M01	2 x 2 x 0,14	7,3	31	95	26
35100C54032M01	3 x 2 x 0,14	7,5	34	105	26
35100C54042M01	4 x 2 x 0,14	9,3	45	140	26
35100C54052M01	5 x 2 x 0,14	10,5	58	160	26
35100C54062M01	6 x 2 x 0,14	11	61	185	26
35100C54072M01	7 x 2 x 0,14	11	78	230	26
35100C54082M01	8 x 2 x 0,14	13	97	245	26
35100C54092M01	9 x 2 x 0,14	14,1	101	280	26
35100C54102M01	10 x 2 x 0,14	14	108	325	26
35100C54122M01	12 x 2 x 0,14	15	134	380	26
35100C54162M01	16 x 2 x 0,14	17	179	440	26
35100C54202M01	20 x 2 x 0,14	17,8	225	520	26
35100D54022M02	2 x 2 x 0,25	9,5	62	125	24
35100D54032M02	3 x 2 x 0,25	10	78,2	140	24
35100D54042M02	4 x 2 x 0,25	12	124,1	205	24
35100D54052M02	5 x 2 x 0,25	12,1	137,6	230	24
35100D54062M02	6 x 2 x 0,25	13	148,1	275	24
35100D54072M02	7 x 2 x 0,25	16	159,1	295	24
35100D54082M02	8 x 2 x 0,25	17	178,7	330	24
35100D54102M02	10 x 2 x 0,25	17,2	213,9	420	24
35100D54122M02	12 x 2 x 0,25	17,5	238	465	24
35100D54162M02	16 x 2 x 0,25	22	291,4	590	24
35100D54202M02	20 x 2 x 0,25	22,6	325	620	24
35100D54242M02	24 x 2 x 0,25	27,5	367	690	24
35100D54322M02	32 x 2 x 0,25	29,8	588	785	24
35100D54482M02	48 x 2 x 0,25	34,5	840,5	970	24
35100D54022M03	2 x 2 x 0,34	10,1	73,1	139	22
35100D54032M03	3 x 2 x 0,34	11	88,1	157	22
35100D54042M03	4 x 2 x 0,34	12,4	137,2	213	22
35100D54062M03	6 x 2 x 0,34	14,5	174,8	308	22
35100D54082M03	8 x 2 x 0,34	17,6	247,2	385	22
35100D54102M03	10 x 2 x 0,34	17,6	288,7	433	22
35100D54122M03	12 x 2 x 0,34	18,5	321	495	22
35100D54142M03	14 x 2 x 0,34	20,7	388,4	600	22
35100D54162M03	16 x 2 x 0,34	22,5	425,5	637	22
35100D54242M03	24 x 2 x 0,34	28	577,1	781	22
35100D54022M05	2 x 2 x 0,50	10,8	83,1	143	20
35100D54032M05	3 x 2 x 0,50	11,4	106,4	179	20
35100D54042M05	4 x 2 x 0,50	13	158	241	20
35100D54062M05	6 x 2 x 0,50	14,9	201,4	319	20
35100D54082M05	8 x 2 x 0,50	18,8	311,5	441	20
35100D54102M05	10 x 2 x 0,50	18	334,5	464	20
35100D54122M05	12 x 2 x 0,50	20,1	394,1	529	20
35100D54142M05	14 x 2 x 0,50	21,6	446	641	20
35100D54162M05	16 x 2 x 0,50	23,8	501,2	694	20
35100D54242M05	24 x 2 x 0,50	28,4	712,4	930	20

Other dimension and colours available on request.