

Multiflex® CY

Highly flexible screened drag chain cable with PVC outer sheath;
preferred EMC compatible cable type



Applications

This cable is ideal for use on drag chains or as control cable for continuously moved machine components in dry and damp environments. Designed to resist up to mean mechanical bending loads.

When used for outdoor applications, adequate protection against direct exposure to sunlight must be ensured and the specified temperature limits must be observed.

The tinned copper braid gives protection against electrical interference.

Design

- Stranded bare Cu conductor, extra-fine wire
- Strand structure to VDE 0295, class 6 / IEC 60228 class 6
- Core insulation: special PVC
- Black cores with printed consecutive white number coding
- Green-yellow protective conductor (3 cores and over) in the outer layer
- Cores twisted in layers, with optimal lay lengths
- Inner jacket: special PVC
- Braided screening made of tinned copper wires
- Fabric lapping
- Outer sheath: special PVC
- Sheath colour: RAL 7001 grey

Electrical and technical specifications

Rated voltage:
U_o/U 300/500 V

Test voltage: 2000 V

Insulation resistance at +20°C:
≥ 20 MOhm x km

Bending radius: 10 x cable diameter

Temperature range:
flexible – 5° C to +70° C
stationary –30° C to +70° C

Flame retardant to IEC 60332-1

Item No.	Cross-section mm ²	Cu content kg/km	Outer diameter approx. mm	Weight approx. kg/km
131005002	2x0.5 OZ	48.0	6.9	112
131005003	3x0.5	56.0	7.3	127
131005004	4x0.5	66.0	7.9	148
131005005	5x0.5	75.0	8.4	167
131005007	7x0.5	90.0	9.8	210
131005012	12x0.5	127.0	11.5	301
131005018	18x0.5	191.0	13.5	410
131005020	20x0.5	204.0	14.8	475
131005025	25x0.5	254.0	16.2	567
131005027	27x0.5	263.0	16.5	575
131005030	30x0.5	279.0	16.8	612
131005036	36x0.5	314.0	17.5	738
131007502	2x0.75 OZ	56.0	7.2	125
131007503	3x0.75	64.0	7.8	142
131007504	4x0.75	80.0	8.4	170
131007505	5x0.75	92.0	9.0	194
131007507	7x0.75	110.0	10.6	256
131007512	12x0.75	189.0	12.3	374
131007518	18x0.75	259.0	14.5	533
131007520	20x0.75	276.0	15.0	575
131007525	25x0.75	320.0	17.9	715
131007527	27x0.75	335.0	18.4	726
131007530	30x0.75	359.0	19.0	775
131007536	36x0.75	432.0	20.3	925
131010002	2x1.0 OZ	61.0	7.7	133
131010003	3x1.0	71.0	8.2	153
131010004	4x1.0	90.0	8.8	185
131010005	5x1.0	104.0	9.3	211

Item No.	Cross-section mm ²	Cu content kg/km	Outer diameter approx. mm	Weight approx. kg/km
131010007	7x1.0	136.0	11.2	286
131010012	12x1.0	219.0	13.0	414
131010018	18x1.0	304.0	15.9	593
131010020	20x1.0	326.0	16.5	641
131010025	25x1.0	383.0	19.2	797
131010027	27x1.0	402.0	20.0	813
131010030	30x1.0	458.0	21.5	910
131010036	36x1.0	523.0	24.0	1064
131015002	2x1.5 OZ	79.0	8.4	156
131015003	3x1.5	94.0	9.2	182
131015004	4x1.5	119.0	10.1	230
131015005	5x1.5	131.0	11.0	262
131015007	7x1.5	171.0	13.0	355
131015012	12x1.5	301.0	15.8	546
131015018	18x1.5	395.0	18.4	722
131015020	20x1.5	429.0	19.5	825
131015025	25x1.5	535.0	22.8	1018
131015027	27x1.5	563.0	23.3	1042
131015030	30x1.5	611.0	25.5	1144
131015036	36x1.5	705.0	27.6	1317
131025003	3x2.5	125.2	10.9	259
131025004	4x2.5	159.9	12.4	330
131025005	5x2.5	188.0	13.3	386
131025007	7x2.5	260.3	16.0	500
131025012	12x2.5	405.0	18.0	694
131040004	4x4.0	237.8	15.9	461
131040005	5x4.0	283.4	17.5	552
131060004	4x6.0	342.8	16.3	608
131060005	5x6.0	410.3	17.9	755
131100004	4x10	510.5	21.8	935
131100005	5x10	629.7	23.8	1100
131160004	4x16	772.0	24.0	1275
131160005	5x16	1006.0	27.0	1695

OZ = without protective conductor, printed number coding