

DESCAFLEX motion 302 UL

0,14 mm² - 0,34 mm²

Extra flexible drag chain cables PVC 300 V, coloured cores, UL 2464 CSA approved

Application

In drag chains, at medium to high stress, as movable control- or power cable in mechanical engineering and machine tool construction, in industrial plants, etc.

Operation speed max. 180 m/min, acceleration max. 6 m/s², horizontal chain length max. 15 m.

Construction

Extra flexible bare copper conductors, acc. to IEC 60228, class 6
Insulation PVC, coloured according to DIN 47100
Cores laid up in lays
Non-woven tape
Sheath PVC grey, RAL 7001, adhesion-free

Special Characteristics

The cables are oil resistant according to VDE 0472 - 803 A/B and HD 22.10 S1 and UL 1581. They are flame retardant according to IEC 60332-1, UL VW-1 and CSA FT1 as well. The PVC outer sheath is especially abrasion resistant and suitable to be used in contact with coolants, lubricants and aggressive chemicals.



Technical Properties

Rated voltage U ₀ /U	300 / 300 V
Test voltage	1500 V
Insulation resistance	20 MOhm x km
Temperature range	- 5°C ... + 80°C
- static installation	- 30°C ... + 80°C
Minimum bending radius	7,5 x cable diameter

Standards / Approvals

UL AWM Style 2464 80°C 300 V
CSA AWM I/II A/B 80°C 300V FT1

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
215166	2 x 0,14	4.00	2.80	14.00
215167	3 x 0,14	4.10	4.20	16.00
215168	4 x 0,14	4.50	5.60	19.00
215169	5 x 0,14	4.60	7.00	22.00
215170	7 x 0,14	5.50	9.80	28.00
215171	10 x 0,14	6.20	14.00	35.00
215172	12 x 0,14	6.30	16.80	39.00
215173	14 x 0,14	6.40	19.60	43.00
215174	18 x 0,14	7.00	25.20	67.00
215176	25 x 0,14	8.50	35.00	90.00
215179	2 x 0,25	4.00	5.00	21.00
215180	3 x 0,25	4.70	7.50	26.00
215181	4 x 0,25	5.10	10.00	30.00
215182	5 x 0,25	5.50	12.50	36.00
215183	7 x 0,25	6.40	17.50	44.00
215184	10 x 0,25	7.80	25.00	61.00
215185	12 x 0,25	7.90	30.00	68.00
215186	14 x 0,25	8.00	35.00	76.00
215187	18 x 0,25	9.00	45.00	103.00
215189	25 x 0,25	10.60	62.50	133.00

Part Number	Type n x mm ²	Overall-Ø ca. mm	Copper kg/km	Weight kg/km
215192	2 x 0,34	5.00	6.80	28.00
215193	3 x 0,34	5.20	10.20	34.00
215194	4 x 0,34	5.80	13.60	41.00
215195	5 x 0,34	6.30	17.00	48.00
215196	7 x 0,34	7.00	23.80	60.00
215197	10 x 0,34	8.90	34.00	87.00
215198	12 x 0,34	9.00	40.80	95.00
215199	14 x 0,34	9.10	47.60	107.00
215200	18 x 0,34	10.20	61.20	143.00
215202	25 x 0,34	12.10	85.00	187.00
215203	40 x 0,34	12.90	155.00	233.00

Packaging

cut to desired length