

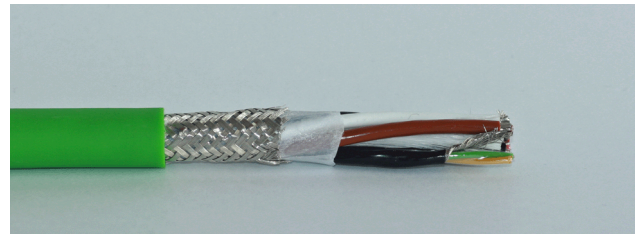
DESCAPUR motion C-318 UL Drive

Extra flexible drag chain Feedback cables PUR, shielded, halogen-free, DESINA, UL 20233 CSA

Application

In drag chains, at medium to high stress, as feedback and encoder cables for servo motors and the connection of encoders, tachometers and brakes.

Operation speed max. 250 m/min, acceleration max. 30 m/s², horizontal chain length max. 15 m.



Construction

Extra flexible bare copper conductors acc. to IEC 60228, class 6
Insulation Polyolefin (and TPE-E), colour coded for specific system
Cores twisted to pairs respectively laid up in lays
Elements laid up in optimised pitches, non-woven tape over it
Pairs partial individually shielded, non-woven tape
Shielded by a tinned copper braid, coverage ca. 85 %
Non-woven tape
Sheath PUR, adhesion-free
Sheath green, RAL 6018
Sheath orange, RAL 2003
Sheath black, RAL 9005

Special Characteristics

The cables are oil resistant according to VDE 0472 - 803 A/B, HD 22.10 S1 and UL 1581. They are flame retardant according to IEC 60332-1, UL VW-1 and CSA FT1 as well, additionally halogen-free according to IEC 60754-1. The PUR outer sheath is extremely suitable to be used in contact with coolants, lubricants and aggressive chemicals and meets the high demands on abrasion, tear and compressive resistance.

Technical Properties

Rated voltage U ₀ /U	300 / 300 V
Test voltage	1500 V
Insulation resistance	20 MΩm x km
Temperature range	- 30°C ... + 80°C
- static installation	- 40°C ... + 80°C
Minimum bending radius -	6 x cable diameter

Standards / Approvals

UL AWM Style 20233 80°C 300 V
CSA AWM I/II A/B 80°C 300V FT1
or
UL AWM Style 20554 80°C 30 V
CSA AWM I/II A/B 80°C 30V FT1

DESINA

Part Number	Type n x mm ²		Overall-Ø ca. mm	Copper kg/km	Weight kg/km
- Heidenhain system					
219752	DESCAPUR motion C-318 UL Drive (10x0,14 mm ² + 2x0,50 mm ²)	gn	7.60	45.00	69.00
219753	DESCAPUR motion C-318 UL Drive (10x0,14 mm ² + 2x0,50 mm ²)	or	7.60	45.00	69.00
219758	DESCAPUR motion C-318 UL Drive (10x0,14 mm ² + 4x0,50 mm ²)	gn	7.90	55.00	84.00
219759	DESCAPUR motion C-318 UL Drive (10x0,14 mm ² + 4x0,50 mm ²)	or	7.90	55.00	84.00
219764	DESCAPUR motion C-318 UL Drive (3x(2x0,14 mm ²) + 2x(0,50 mm ²))	gn	8.50	61.00	103.00
219765	DESCAPUR motion C-318 UL Drive (3x(2x0,14 mm ²) + 2x(0,50 mm ²))	or	8.50	61.00	103.00
219769	DESCAPUR motion C-318 UL Drive (4x2x0,14 mm ² + 4x0,50 mm ²)	bk	8.60	54.00	105.00
219770	DESCAPUR motion C-318 UL Drive (4x2x0,14 mm ² + 4x0,50 mm ²)	gn	8.60	54.00	105.00
219771	DESCAPUR motion C-318 UL Drive (4x2x0,14 mm ² + 4x0,50 mm ²)	or	8.60	54.00	105.00
219776	DESCAPUR motion C-318 UL Drive (3x(2x0,14 mm ²) + 2x1,00 mm ²)	gn	8.80	61.00	110.00
219777	DESCAPUR motion C-318 UL Drive (3x(2x0,14 mm ²) + 2x1,00 mm ²)	or	8.80	61.00	110.00
219781	DESCAPUR motion C-318 UL Drive (4x2x0,14 mm ² + (4x0,14 mm ²) + 4x0,50 mm ²)	bk	8.20	62.00	116.00
- Bosch Indramat system					
219788	DESCAPUR motion C-318 UL Drive (4x2x0,25 mm ² + 2x0,50 mm ²)	gn	8.70	50.00	112.00
219789	DESCAPUR motion C-318 UL Drive (4x2x0,25 mm ² + 2x0,50 mm ²)	or	8.70	50.00	112.00
219794	DESCAPUR motion C-318 UL Drive (4x2x0,25 mm ² + 2x1,00 mm ²)	gn	9.20	57.00	121.00
219795	DESCAPUR motion C-318 UL Drive (4x2x0,25 mm ² + 2x1,00 mm ²)	or	9.20	57.00	121.00
219800	DESCAPUR motion C-318 UL Drive (4x1,00 mm ² + 4x2x0,14 mm ² + (4x0,14 mm ²))	gn	9.70	97.00	146.00
219801	DESCAPUR motion C-318 UL Drive (4x1,00 mm ² + 4x2x0,14 mm ² + (4x0,14 mm ²))	or	9.70	97.00	146.00

gn = green
or = orange
bk = black

Packaging

cut to desired length

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Part Number	Type n x mm ²		Overall-Ø ca. mm	Copper kg/km	Weight kg/km
- Bosch Indramat system					
219807	DESCAPUR motion C-318 UL Drive (3x(2x0,25 mm ²) + 3x0,25 mm ² + 2x1,00 mm ²)	or	9.20	63.00	116.00
219812	DESCAPUR motion C-318 UL Drive (9x0,50 mm ²)	gn	8.80	67.00	126.00
219813	DESCAPUR motion C-318 UL Drive (9x0,50 mm ²)	or	8.80	67.00	126.00
- Siemens system					
219818	DESCAPUR motion C-318 UL Drive (2x2x0,18 mm ²)	gn	5.20	22.00	43.00
219824	DESCAPUR motion C-318 UL Drive (4x2x0,18 mm ²)	gn	6.50	32.00	65.00
219830	DESCAPUR motion C-318 UL Drive (8x2x0,18 mm ²)	gn	8.30	58.00	110.00
219836	DESCAPUR motion C-318 UL Drive (12x0,23 mm ²)	gn	7.00	45.00	82.00
219842	DESCAPUR motion C-318 UL Drive (4x2x0,14 mm ² + 4x0,50 mm ²)	gn	8.20	53.00	108.00
219848	DESCAPUR motion C-318 UL Drive (4x2x0,38 mm ² + 4x0,50 mm ²)	gn	9.10	75.00	133.00
219854	DESCAPUR motion C-318 UL Drive (3x(2x0,14 mm ²) + 2x(0,50 mm ²))	gn	9.50	66.00	104.00
219860	DESCAPUR motion C-318 UL Drive (3x(2x0,14 mm ²) + 4x0,14 ² + 4x0,25 m ² + 2x0,50 mm ²)	gn	10.30	92.00	139.00
219866	DESCAPUR motion C-318 UL Drive (3x(2x0,14 mm ²) + 4x0,14 ² + 2x0,50 mm ²)	gn	8.90	62.00	120.00
219872	DESCAPUR motion C-318 UL Drive (3x2x0,14 mm ² + 2x0,50 mm ²)	gn	10.20	66.00	106.00
219878	DESCAPUR motion C-318 UL Drive (2xAWG 22 + 2x2xAWG 26)	gn	7.00	34.00	71.00
- B & R system					
219884	DESCAPUR motion C-318 UL Drive (3x2xAWG 24)	gn	6.60	30.00	69.00
219890	DESCAPUR motion C-318 UL Drive (5x2x0,14 mm ² + 2x0,50 mm ²)	gn	7.90	49.00	86.00
- Berger Lahr system					
219896	DESCAPUR motion C-318 UL Drive (5x2x0,25 mm ² + 1x2x0,50 mm ²)	gn	8.50	56.00	96.00
- Lenze system					
219902	DESCAPUR motion C-318 UL Drive 3x(2x0,14 mm ²) + 1x(2x0,50 mm ²)	gn	10.00	48.00	152.00
219908	DESCAPUR motion C-318 UL Drive 4x(2x0,14 mm ²) + 1x(2x1,00 mm ²)	gn	11.50	70.00	229.00
- Fanuc system					
219920	DESCAPUR motion C-318 UL Drive (4x2x0,18 mm ² + 2x0,50 mm ²)	gn	7.60	36.00	71.00
219926	DESCAPUR motion C-318 UL Drive (3x2x0,18 mm ² + 6x0,50 mm ²)	gn	8.70	68.00	94.00
219932	DESCAPUR motion C-318 UL Drive (3x2x0,18 mm ² + 6x1,00 mm ²)	gn	8.90	96.00	140.00
219938	DESCAPUR motion C-318 UL Drive (5x2x0,18 mm ² + 6x0,50 mm ²)	gn	8.70	76.00	94.00
219944	DESCAPUR motion C-318 UL Drive (1x2x0,18 mm ² + 5x0,50 mm ²)	gn	7.70	52.00	143.00
219950	DESCAPUR motion C-318 UL Drive (2x2x0,18 mm ² + 5x0,50 mm ²)	gn	7.40	55.00	84.00
219956	DESCAPUR motion C-318 UL Drive (10x2xAWG 24)	gn	9.30	64.00	121.00

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